

Announcement of the Results of the Standard Grant Project 2023 Public Call for Proposals

The Czech Science Foundation completed the evaluation of the project proposals received for the competition SGA0202300001 - Standard Grant Projects - 2023 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 2023 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
23-04712S	prof. Ing. Zdeněk Kala, Ph.D.	Importance of Stochastic Interactions in Computational Models of Structural Mechanics	Vysoké učení technické v Brně, Fakulta stavební	3	1. Technical Sciences
23-04724S	František Šebek	Computational modelling of ductile fracture of identical wrought and printed metallic materials under ultra-low-cycle fatigue	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
23-04744S	prof. Ing. Zbyšek Pavlík, Ph.D.	Research of heavy metals immobilization in alternative low-carbon composites	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-04772S	prof. Ing. Robert Černý, DrSc.	Physical and chemical processes in alkali activated ceramics exposed to high temperatures	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-04806S	Mgr. Ing. Oleg Heczko, Dr.	Hyperfine field - new probe for Heusler alloys	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-04824S	Ing. Lenka Mészárosová, Ph.D.	Influence of alternative raw material components on improvement of physico-mechanical properties of aerated autoclaved concrete	Vysoké učení technické v Brně, Fakulta stavební	3	1. Technical Sciences
23-04928S	Ing. Petr Čermák, Ph.D.	Mycelium-Lignocellulose-Based Bio-Composites: From Growth Kinetics to Physico-Mechanical Properties (MyBiCo)	Mendelova univerzita v Brně, Lesnická a dřevařská fakulta	3	1. Technical Sciences
23-04951S	doc. RNDr. Pavel Rovnaník, Ph.D.	Modification of rheological properties of alkali-activated materials with new types of organic admixtures	Vysoké učení technické v Brně, Fakulta stavební	3	1. Technical Sciences

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23-04971S	prof. Ing. Jaroslav Kruis, Ph.D.	Prediction of mechanical behaviour of structures 3D printed based on alloy of titanium with betastructure	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-04974S	prof. Ing. Miroslav Vořechovský, Ph.D.	Coupled chemo-mechanical model of normal and cancer microenvironment	Vysoké učení technické v Brně, Fakulta stavební	3	1. Technical Sciences
23-05002S	prom. fyz. Jiří Vacík, CSc., Ph.D.	Black metals surface-decorated by MXenes as sensitive chemiresistor layers	Ústav jaderné fyziky AV ČR, v.v.i.	3	1. Technical Sciences
23-05082S	RNDr. Theodor Staněk, Ph.D.	The research on the combined effect of sulfur, copper and lithium oxides on the formation and properties of Portland cement clinker.	Výzkumný ústav stavebních hmot, a.s.	3	1. Technical Sciences
23-05104S	prof. RNDr. Roman Barták, Ph.D.	Multi-Robotic Path Planning and Execution	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-05122S	Mgr. Martin Boháč, Ph.D.	The role of combination of fluxes, mineralizers and SCMs on properties of low-energy clinker	Výzkumný ústav stavebních hmot, a.s.	3	1. Technical Sciences
23-05126S	doc. Ing. Pavel Novák, Ph.D.	Sintered silicides as the future tool materials	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
23-05128S	Ing. Kamil Souček, Ph.D.	Influence of textural and structural features on failure of transversely isotropic rocks examined using 4D X-ray computed tomography	Ústav geoniky AV ČR, v.v.i.	3	1. Technical Sciences
23-05139S	prof. Ing. Pavel Lejček, DrSc.	Structure and properties of metastable metal-matrix composites produced by 'bottom-up' processing of core-shell powders	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05154S	prof. RNDr. David Lukáš, CSc.	Investigation of prokaryotic and eukaryotic cell interactions with nanofibers differing in morphology and structure	Technická univerzita v Liberci, Fakulta přírodnovědně-humanitní a pedagogická	3	1. Technical Sciences
23-05235S	Ing. Michal Zeleňák, Ph.D.	Study of mechanism of formation stable high-frequency oscillations generated in a liquid under high pressures	Ústav geoniky AV ČR, v.v.i.	3	1. Technical Sciences

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23-05266S	prof. Dr. Ing. Josef Krýsa	Study of key factors influencing the efficiency of photoelectrochemical cells using sunlight for synthesis reactions and water purification	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
23-05338S	Prof. Yannis Dafalias, Ph.D.	Mechanical and structural properties of additively manufactured AlSi10Mg alloy with effect of powder recycling	Ústav termomechaniky AV ČR, v.v.i.	3	1. Technical Sciences
23-05372S	prof. Ing. Sergej Hloch, Ph.D.	Surface and subsurface erosion due to multiple droplet impingement	Ústav geoniky AV ČR, v.v.i.	3	1. Technical Sciences
23-05435S	prof. Ing. Jiří Němeček, Ph.D.	Nanomechanical performance of cementitious composites under radiation impact and variable environmental actions	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-05500S	M.Sc. Oleg Babčenko, Ph.D.	Effect of surface treatments on the performance of silicon-based secondary materials in cementitious composites	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05507S	Ing. Jan Mrázek, Ph.D.	Advanced inorganic nanocomposites for distributed sensors of harmful radiation	Ústav fotoniky a elektroniky AV ČR, v.v.i.	3	1. Technical Sciences
23-05575S	RNDr. Lukáš Chrpa, Ph.D.	Urban Traffic Control by Means of Automated Planning	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-05592S	Ing. Jaroslav Čapek, Ph.D.	Influence of surface modifications on the functionality of zinc-based absorbable materials for applications in bone reconstructions	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05615S	RNDr. Eva Mihóková, CSc.	Scintillating multimodal materials and quantum heterostructures.	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05646S	doc. Ing. Zdeněk Bečvář, Ph.D.	Intelligent Radio Resource and Mobility Management based on Federated Learning	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-05662S	RNDr. Petr Harcuba, Ph.D.	Investigation of deformation mechanisms in metallic materials by advanced micromechanical testing	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-05701S	doc. Ing. Pavel Peterka, Ph.D.	Overcoming temperature limitations of kW-class thulium fiber lasers	Ústav fotoniky a elektroniky AV ČR, v.v.i.	3	1. Technical Sciences
23-05736S	RNDr. Michal Pavelka, Ph.D.	Geometric multiscale thermodynamics of complex fluids	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-05818S	RNDr. Jan Demel, Ph.D.	Activated Borane as Lewis Acid Based Catalyst	Ústav anorganické chemie AV ČR, v.v.i.	3	1. Technical Sciences

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23-05845S	Ing. Helena Škutková, Ph.D.	Real-time determination of infection threats from raw nanopore signals using machine learning techniques	Vysoké učení technické v Brně, Fakulta elektrotechniky a komunikačních technologií	3	1. Technical Sciences
23-05878S	Ing. Jan Vlček, Ph.D.	Thin films of transition metal complexes with vacant positions in the ligand field for gas sensing application	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05895S	Ing. Jiří Červenka, Ph.D.	Development of advanced electrode-electrolyte interfaces for next-generation high-voltage aqueous batteries	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05915S	Ing. Ján Lančok, Ph.D.	Electric charge transport in heterostructures of semiconductor oxides with copper halides	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-05918S	Ing. Dana Koňáková, Ph.D.	Smart and programmable housing and living – energy storage systems are hidden everywhere in our buildings within basic construction components	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-05947S	doc. Mgr. Pavel Souček, Ph.D.	Ab-initio guided investigation of refractory metal-based high entropy ceramic coatings	Masarykova univerzita, Přírodovědecká fakulta	3	1. Technical Sciences
23-06016S	doc. Ing. Martina Eliášová, CSc.	Surface treatment of glass and its influence on the reliability of adhesive bonding for glass structures at elevated temperatures	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-06070S	doc. Ing. Jan Jeřábek, Ph.D.	Fundamental research on designing of CMOS fractional-order elements	Vysoké učení technické v Brně, Fakulta elektrotechniky a komunikačních technologií	3	1. Technical Sciences
23-06152S	Ing. Michal Kohout, Ph.D.	Modular approach towards chiral membranes for scalable enantioseparation of racemic drugs	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
23-06157S	Ing. Lenka Scheinherrová, Ph.D.	Impact of C3A on the early strength of cement	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-06159S	Ing. Jakub Šístek, Ph.D.	Vortical structures: advanced identification and efficient numerical simulation	Matematický ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-06167S	Ing. Ivo Kuběna, Ph.D.	High-temperature damage mechanisms in Ni-based superalloy fabricated by laser powder bed fusion	Ústav fyziky materiálů AV ČR, v.v.i.	3	1. Technical Sciences
23-06169S	Ing. Tomáš Prošek, Ph.D.	The role of precipitates in hydrogen transport and hydrogen embrittlement of Al alloys	Vysoká škola chemicko-technologická v Praze, Úcelová	3	1. Technical Sciences

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			celoškolská výzkumná a vzdělávací pracoviště		
23-06220S	prof. Dr. Ing. Eduard Rohan, DSc.	Flexoelectric periodic structures for fluid transport and energy harvesting	Západočeská univerzita v Plzni, Fakulta aplikovaných věd	3	1. Technical Sciences
23-06263S	Mgr. Petr Klapetek, Ph.D.	Thermophysical characterisation of thin films	Český metrologický institut	3	1. Technical Sciences
23-06285S	Mgr. Jakub Holovský, Ph.D.	Novel ionic crystals and their surfaces as the key to future photovoltaic materials (NicePV)	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-06352S	prof. Ing. Petr Konvalinka, CSc.	Directed electromagnetic orientation of dispersed fibre reinforcement for optimal stress resistance in concrete structural members	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-06476S	prof. RNDr. Josef Diblík, DrSc.	Analysis of Discrete and Continuous Dynamical Systems with Emphasis on Identification Problems	Vysoké učení technické v Brně, Středočeský technologický institut	3	1. Technical Sciences
23-06506S	prof. Ing. Tomáš Vojnar, Ph.D.	Advanced Analysis and Verification for Advanced Software	Vysoké učení technické v Brně, Fakulta informačních technologií	3	1. Technical Sciences
23-06543S	RNDr. Milan Dopita, Ph.D.	Structural changes induced by light soaking in mixed-halide perovskites	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-06548S	prof. Ing. Roman Jambor, Ph.D.	Superhydrophobic materials based on heteroboroxines	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences
23-06562S	Mgr. Jan Hynek, Ph.D.	Optimization of proton conductivity in Zr-based metal-organic frameworks by peripheral substitution of porphyrin ligands	Ústav anorganické chemie AV ČR, v.v.i.	3	1. Technical Sciences
23-06644S	prof. RNDr. Jan Valenta, Ph.D.	Fluorescent radiative-cooling materials: development, testing and applications	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-06691S	RNDr. Jakub Zázvorka, Ph.D.	Development of a sensing device using magneto-optical diffraction on ordered magnetic textures	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-06746S	Mgr. Dana Kubies, CSc.	Polyelectrolyte multilayer films based on charge-shifting synthetic polycations and heparin for delivery of growth factors	Ústav makromolekulární chemie AV ČR, v.v.i.	3	1. Technical Sciences
23-06793S	Dr. Hanna Sopha	Engineering of bipolar electrochemical technology for the next generation of TiO ₂ nanotube layers	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences

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23-06843S	doc. Dr. Ing. Petr Klusoň	Advanced thin film photocatalysts on a basis of graphitic carbon nitride	Ústav chemických procesů AV ČR, v.v.i.	3	1. Technical Sciences
23-06856S	Ing. Václav Pouchlý, Ph.D. Ing. Paed. IGIP	Compositionally complex ceramic oxides: Ab initio design and experimental verification	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
23-06912S	RNDr. David Mareček, Ph.D.	Identification and Prevention of Unwanted Gender Bias in Neural Language Models	Univerzita Karlova, Matematicko-fyzikální fakulta	2	1. Technical Sciences
23-06920S	prof. Ing. Zbyněk Šika, Ph.D.	Functionally biomimetic exoskeleton of human upper limb for selective muscle augmentation	České vysoké učení technické v Praze, Fakulta strojní	3	1. Technical Sciences
23-06925S	Mgr. Daniil Nikitin, Ph.D.	Resistive switching in metal nanofluids: a novel approach in neuromorphic engineering	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-06957S	Ing. Michal Mikl, Ph.D.	New strategies in processing of multi-echo fMRI data	Masarykova univerzita, Středoevropský technologický institut	3	1. Technical Sciences
23-07013S	Ing. Richard Pokorný, Ph.D.	Characterization of gas evolution and transient melt formation to elucidate and minimize primary foaming during glass melting	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
23-07071S	Dr. Raul Zazpe	Two-dimensional transition metal-based phosphides by Atomic Layer Deposition	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences
23-07228S	Ing. Michal Novotný, Ph.D.	Novel thermoelectric, thermovoltaic, and phonoelectric heat conversion systems based on nitrides semiconductors	Fyzikální ústav AV ČR, v.v.i.	3	1. Technical Sciences
23-07235S	Ing. Miroslav Šmíd, Ph.D.	Microstructural manipulation of austenitic steels by laser powder bed fusion technique	Ústav fyziky materiálů AV ČR, v.v.i.	3	1. Technical Sciences
23-07244S	doc. Ing. Michal Sedlačík, Ph.D.	Anisotropic Magnetorheological Elastomers with Controlled Electrical Properties	Univerzita Tomáše Bati ve Zlíně, Univerzitní institut	3	1. Technical Sciences
23-07280S	doc. Ing. Michal Hajžman, Ph.D.	Identification and compensation of imperfections and friction effects in joints of mechatronic systems	Západočeská univerzita v Plzni, Fakulta aplikovaných věd	3	1. Technical Sciences
23-07292S	RNDr. Vilim Kolivoška, Ph.D., MBA	Additive or subtractive manufacturing: Which is more powerful to achieve stable electroreduction of carbon dioxide at high reaction rates?	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	1. Technical Sciences

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23-07294S	prof. Mgr. Pavel Rajmic, Ph.D.	From perceptron to perception: psychoacoustically motivated audio reconstruction using learned components	Vysoké učení technické v Brně, Fakulta elektrotechniky a komunikačních technologií	3	1. Technical Sciences
23-07299S	Ing. Ondřej Kuželka, Ph.D.	Statistical Relational Learning in Dynamic Domains	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-07356S	Ing. Ondřej Kašpar, Ph.D.	Development of inhalable carriers for in-situ production of natural antibiotics	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	1. Technical Sciences
23-07361S	Ing. Lukáš Münster, Ph.D.	Synthesis of gold nanoparticles for SERS and catalysis guided by selectively oxidized polysaccharides	Univerzita Tomáše Bati ve Zlíně, Univerzitní institut	3	1. Technical Sciences
23-07384S	Ing. Robert Macků, Ph.D.	Back-gated few-layers graphene gas sensors: charge transport and its fluctuation used for performance improvement	Vysoké učení technické v Brně, Fakulta elektrotechniky a komunikačních technologií	3	1. Technical Sciences
23-07415S	Ing. Libor Sitek, Ph.D.	Study of rock erosion resistance using accelerated hydro-abrasive and cavitation simulation	Ústav geoniky AV ČR, v.v.i.	3	1. Technical Sciences
23-07425S	prof. Ing. Petr Humpolíček, Ph.D.	Anisotropic and Electro-Conducting Biomaterials	Univerzita Tomáše Bati ve Zlíně, Univerzitní institut	3	1. Technical Sciences
23-07445S	Mgr. Elena Miliutina, Ph.D.	Preparation, characterization, and utilization of hybrid MOF-Me nanostructured materials	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	1. Technical Sciences
23-07517S	Dr. rer. nat. Martin Saska	Agile swarms of aerial robots with reliable multimodal sensing and state-estimation capabilities	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-07518S	doc. Ing. Milan Polívka, Ph.D.	Advanced structures and characterization methods of nonlinear backscattering for identification and sensing	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-07574S	Ing. Miloš Krbal, Ph.D.	Tuning of optical properties of amorphous, thermally and laser-crystallized chalcogenide-based phase change materials for nanophotonic applications	Univerzita Pardubice, Fakulta chemicko-technologická	3	1. Technical Sciences
23-07617S	prof. RNDr. Tomáš Šikola, CSc.	2D single crystals of MXenes	Vysoké učení technické v Brně, Středoevropský technologický institut	3	1. Technical Sciences

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23-07722S	Ing. Milan Maly, Ph.D.	Advanced energy-efficient modifications of twin-fluid atomizer	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
23-07772S	prof. Dr. Ing. Václav Matoušek	Structure and dynamics of multi-species bed load transport above erodible plane bed in open channel	České vysoké učení technické v Praze, Fakulta stavební	3	1. Technical Sciences
23-07781S	doc. RNDr. Irena Holubová, Ph.D.	Self-Adapting Management of Multi-Model Databases	Univerzita Karlova, Matematicko-fyzikální fakulta	3	1. Technical Sciences
23-07785S	prof. Ing. Tomáš Polcar, Ph.D.	Superlubricity: sliding of 2D materials	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	1. Technical Sciences
23-07848S	Dr. Alexander Mozalev	Novel self-organized nanorod arrays of molybdenum anodic oxides, compounds and heterostructures as emerging multipurpose electronic nanomaterials	Vysoké učení technické v Brně, Středoevropský technologický institut	3	1. Technical Sciences
23-07879S	Ing. Karel Slámečka, Ph.D.	Exploring how nitriding affects fatigue behaviour of additive manufactured titanium hierarchical porous structures	Vysoké učení technické v Brně, Středoevropský technologický institut	3	1. Technical Sciences
23-07953S	Ing. Andrea Konečná, Ph.D.	Shaped beams for a new era of electron microscopy and spectroscopy	Vysoké učení technické v Brně, Fakulta strojního inženýrství	3	1. Technical Sciences
23-07962S	Ing. Vladislav Krzyžánek, Ph.D.	Advanced cryo-optofluidic platform for correlative light and electron microscopy (CLEM)	Ústav přístrojové techniky AV ČR, v.v.i.	3	1. Technical Sciences
23-07971S	Ing. Štěpán Kment, Ph.D.	Lead-Free Double Perovskite Nanocrystals for Photocatalytic CO ₂ Reduction	Univerzita Palackého v Olomouci, Český institut výzkumu a pokročilých technologií	3	1. Technical Sciences
23-08001S	Ing. Pavel Procházka, Ph.D.	Tunable Charge Injection Layers for Efficient Charge Transfer Through Metal Electrode-Organic Semiconductor Interface	Vysoké učení technické v Brně, Středoevropský technologický institut	3	1. Technical Sciences
23-08020S	RNDr. Petra Veselá, Ph.D.	Tomography of thin-film interfaces by using random-pulse picosecond sonar	Ústav fyziky plazmatu AV ČR, v. v. i.	3	1. Technical Sciences
23-08038S	Ing. Petr Tej, Ph.D.	Optimized arrangement of reinforcement in cementisous composites	České vysoké učení technické v Praze, Kloknerův ústav	3	1. Technical Sciences

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23-04659S	Ing. Petr Beier, Ph.D.	Utilization of organic fluorinated azides for the synthesis of unusual nitrogen heterocycles	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
23-04679S	prof. Ing. Daniel Klír, Ph.D.	The study of z-pinch physics with novel diagnostic methods using fast ions	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	2. Physical Sciences
23-04683S	Christopher Lambie-Hanson, Ph.D.	Compactness in set theory, with applications to algebra and graph theory	Matematický ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-04703S	doc. RNDr. Michal Roth, CSc.	Alternative route to capillary monolithic silica columns from discrete particles treated with supercritical water	Ústav analytické chemie AV ČR, v.v.i.	3	2. Physical Sciences
23-04720S	prof. RNDr. Luboš Pick, CSc., DSc.	Fine properties of functions, operators and function spaces	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-04734S	Alessandro Fabbrizio	Experimental determination of Be diffusivity in pyroxenes and plagioclase: a new tool for geospeedometry	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-04746S	doc. RNDr. Ilja Turek, DrSc.	Theory of magnetic systems in electric and electromagnetic fields	Ústav fyziky materiálů AV ČR, v.v.i.	3	2. Physical Sciences
23-04766S	Doc. RNDr. Martin Kružík, Ph.D., DSc.	Variational approaches to dynamical problems in continuum mechanics	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	2. Physical Sciences
23-04776S	prof. RNDr. Ondřej Kalenda, Ph.D., DSc.	Interplay of algebraic, metric, geometric and topological structures on Banach spaces	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-04825S	Neil Thapen	Logic and unsatisfiability	Matematický ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-04946S	Mgr. Josef Ďurech, Ph.D.	Study of evolutionary paths of asteroids driven by non-gravitational forces with photometric observations	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05051S	prof. RNDr. Martin Mihaljevič, CSc.	Metals and their isotopes in active and abandoned mining areas of sub-Saharan Africa – towards understanding of their geochemistry and impacts	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-05083S	RNDr. Jindřich Fanfrlík, Ph.D.	Modeling Biologically Active Heteroborane Clusters	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences

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23-05111S	prof. RNDr. Petr Klán, Ph.D.	Synthesis and Photophysical and (Photo)chemical Properties of Novel Cyanine Derivatives	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
23-05146S	Mgr. Jindřich Karban, Ph.D.	Study of galectin-glycan interactions using fluoroglycomimetics	Ústav chemických procesů AV ČR, v.v.i.	3	2. Physical Sciences
23-05148S	doc. RNDr. Jan Šťovíček, Ph.D.	Homological and structural theory in geometric contexts	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05207S	prof. RNDr. Josef Málek, CSc., DSc.	Development of reliable computational tools adequate for the study of fluid-structure interactions, with special relevance to cardiovascular problems	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05217S	prof. RNDr. Katarína Holcová, Ph.D.	Seagrass/seaweed meadows – overlooked Phanerozoic ecosystems: their contribution to shelf biodiversity and identification in the fossil record	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-05241S	doc. Mgr. Ctirad Hofr, Ph.D.	Transcriptional regulation of Epstein–Barr oncovirus – biophysical implications for Rta-targeted therapy	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
23-05242S	prof. RNDr. Roman Šimon Hilscher, DSc.	Oscillation theory on hybrid time domains with applications in spectral theory and matrix analysis	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
23-05271S	prof. Ing. Vladimír Šindelář, Ph.D.	Chemical modification of bambusurils for adjusting their binding affinity and selectivity	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
23-05293S	Ing. Jan Rohlíček, Ph.D.	Pushing the limits of complexity in solving crystal structures using a combination of XRPD and ssNMR	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05378S	Dr. Tao Wu	Synthesis and Characterization of Lanthanide-Luminescence Probes for Biomolecular Raman Spectroscopy and Imaging	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
23-05439S	prof. RNDr. Juraj Glosík, DrSc.	State specific recombination of astrophysically important ions with electrons	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05443S	Ing. Ctirad Červinka, Ph. D.	Computer-aided design of metal-organic porous liquids for gas adsorption and catalysis	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	2. Physical Sciences
23-05486S	doc. Ing. Pavel Jelínek, Ph.D.	On-surface synthesis and characterization of polyyradical molecules	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-05557S	RNDr. Michal Kolář, Ph.D.	Towards atomistic understanding of the first moments in the life of protein	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	2. Physical Sciences
23-05577S	Dr. Catherine Annen	Generation, extent, and longevity of magma mush columns	Geofyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05578S	Valentyn Laguta, DrSc.	Electric-field control of spin-qubits in quantum paraelectrics	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05586S	doc. RNDr. Dalibor Šatinský, Ph.D.	Nanofibers as advanced extraction materials for chromatographic analysis	Univerzita Karlova, Farmaceutická fakulta v Hradci Králové	3	2. Physical Sciences
23-05639S	prof. RNDr. Jiří Šponer, DrSc.	Molecular dynamics simulations of RNA: from static structures to molecular ensembles	Biofyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05640S	doc. RNDr. Tomáš Ostatnický, Ph.D.	Electron tunneling in coupled semiconductor nanostructures triggered by plasmon resonance at terahertz frequencies	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05651S	doc. RNDr. Barbora Kozlíková, Ph.D.	ChromeXplore: Interactive visual exploration of chromatin	Masarykova univerzita, Fakulta informatiky	3	2. Physical Sciences
23-05688S	doc. RNDr. Karolina Schwarzová, Ph.D.	Electrochemical sensors based on nanostructured and functionalized sp ₂ and sp ₃ carbon surfaces for (bio)analytical applications	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-05737S	doc. RNDr. Daniel Hlubinka, Ph.D.	Functional Fourier Data Analysis	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05784S	RNDr. Pavel Galář, Ph.D.	Nanocrystal Photoluminescence Intermittency: Elucidation of long-term charge carrier dynamics through ultrafast processes	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05798S	Mgr. Hana Engstová, Ph.D.	Fluorescence nanoscopy of pancreatic beta cells	Fyziologický ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05827S	Ing. Jakub Víchá, Ph.D.	Extension of Scientific Potential of Gamma-ray Observatory SWGO by Cherenkov Telescopes	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-05837S	RNDr. Kateřina Kůsová, Ph.D.	Phonon recycling in semiconductor quantum dots	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05891S	Héctor Vázquez, Ph.D.	Design of molecular circuits from simulations and machine learning	Fyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-05914S	prof. RNDr. Jiří Podolský, CSc., DSc.	Advanced Techniques Applied to Black-Hole and Gravitational-Wave Exact Spacetimes	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-05940S	Prof. Mgr. Lubomír Rulíšek, CSc. DSc.	Catalytic Metallopeptides: Bridging the Gap Between Small Molecule Catalysts and Metalloenzymes	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
23-05972S	RNDr. Pavel Kubáň, Ph.D. DSc.	Advanced techniques for fully autonomous dried blood spot analyses	Ústav analytické chemie AV ČR, v.v.i.	3	2. Physical Sciences
23-05983S	RNDr. Jitka Myšková, Ph.D.	Directionality of non-linear optical properties of fluorescent proteins	Univerzita Karlova, 1. lékařská fakulta	3	2. Physical Sciences
23-06115S	RNDr. Aleš Dařhel, Ph.D.	Development of Electroanalytical Methods for Interaction of Galectins and Glycomimetic Ligands – New Potential Anticancer Drugs	Biofyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-06177S	prof. PharmDr. Petr Zimčík, Ph.D.	J-dimers of Phthalocyanines	Univerzita Karlova, Farmaceutická fakulta v Hradci Králové	3	2. Physical Sciences
23-06198S	prof. RNDr. Jiří Frýda, Dr.	Response of mid-Paleozoic faunal communities to significant environmental changes: a study of the Mulde, Lau, Choteč events from the Prague Basin	Česká zemědělská univerzita v Praze, Fakulta životního prostředí	3	2. Physical Sciences
23-06224S	prof. RNDr. Pavel Zemánek, Ph.D.	Semiclassical Nonlinear Electro-Optical Levitation	Ústav přístrojové techniky AV ČR, v.v.i.	3	2. Physical Sciences
23-06308S	prof. Mgr. Radim Filip, Ph.D.	Single-phonon quantum acoustics	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06345S	prof. RNDr. Jiří Zahradník, DrSc.	Seismo-geodynamic modeling of the Hellenic subduction	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-06364S	doc. Mgr. Jiří Pittner, Dr. rer. nat., DSc.	Excited state molecular dynamics with non-adiabatic and spin-orbit effects assisted by machine learning	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	2. Physical Sciences
23-06369S	DR Artur Slobodeniu	Role of decoherence in high-order nonlinear optical interactions	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-06370S	Mgr. Petr Kolínský, Ph.D.	Recognition of remote velocity anomalies in the upper mantle	Geofyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-06401S	prof. RNDr. Jana Šafránková, DrSc.	Where and how the solar wind is accelerated and heated and how these processes affect its evolution?	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-06430S	Ing. Ivana Kolmašová, Ph.D.	Power of nature: extreme lightning flashes	Ústav fyziky atmosféry AV ČR, v. v. i.	3	2. Physical Sciences
23-06437S	Mgr. Štěpán Timr, Ph.D.	Allostery and spatial organization in glycolysis: the role of phosphofructokinase 1	Ústav fyzikální chemie J. Heyrovského AV ČR, v.v.i.	3	2. Physical Sciences
23-06439S	doc. Mgr. Milan Krtička, Ph.D.	Collective dynamics of nuclear electromagnetic excitations	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-06451S	Gregory Ruetenik	Interplay between relative sea-level and surface processes: comparing responses across tectonically active and inactive terrains	Geofyzikální ústav AV ČR, v.v.i.	3	2. Physical Sciences
23-06465S	prof. Ing. Radek Cibulka, Ph.D.	Merging photochemistry and electrochemistry in flavin-based redox catalysis	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	2. Physical Sciences
23-06498S	Linus Wulff	Dualities and higher derivatives	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
23-06530S	RNDr. Stanislav Musil, Ph.D.	Unique methods of ultratrace analysis of selected technology-critical elements	Ústav analytické chemie AV ČR, v.v.i.	3	2. Physical Sciences
23-06600S	RNDr. Petr Šimek, CSc.	New approaches in targeted metabolomic analysis of unstable metabolites with oxo group: labeling with quaternary ammonium and stable isotopes	Biologické centrum AV ČR, v.v.i.	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06708S	prof. RNDr. Jiří Žák, Ph.D.	Detrital zircon geochronology as a tool for interpreting terrane provenance	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-06718S	prof. RNDr. Petr Štěpnička, Ph.D., DSc., FRSC	Rigid and functional ferrocene phosphines	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-06755S	RNDr. Martin Lepšík, Ph.D.	Atomistic Understanding of Peptide Hormone Binding to Their Receptors and Mimetics Design via Advanced Computations and Experimental Verification	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	2. Physical Sciences
23-06770S	Mgr. Michal Kovalčík, Ph.D.	Precision Tests of the Standard Model at the NA62 experiment	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-06866S	RNDr. Karel Škoch, Ph.D.	Borenium cations (hetero)boraalkenes as sensors, small molecule activators and catalysts	Ústav anorganické chemie AV ČR, v.v.i.	3	2. Physical Sciences
23-06909S	prof. RNDr. Ing. Jaroslav Burda, DrSc.	Grand-canonical description of the chemical reactions at constant pH.	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-07031S	Doc. Ing. Michal Šprlák, PhD.	Ellipsoidal modelling of planetary gravitational fields	Západočeská univerzita v Plzni, Fakulta aplikovaných věd	3	2. Physical Sciences
23-07043S	RNDr. Martin Kološ, Ph.D.	Black Hole Magnetosphere	Slezská univerzita v Opavě, Fyzikální ústav v Opavě	3	2. Physical Sciences
23-07066S	prof. RNDr. Petr Slavíček, Ph.D.	Time-dependent simulations for time-resolved electronic spectroscopies	Vysoká škola chemicko-technologická v Praze, Fakulta chemicko-inženýrská	3	2. Physical Sciences
23-07110S	Mgr. Jiří Kvita, Ph.D.	Machine learning applications in high-energy and astroparticle physics	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	2. Physical Sciences
23-07152S	Yuliya Vystavna	Water scarcity hotspots in Central Europe based on the composition of water isotopes in lakes: hydrological, climatic and socio-economic determinants	Biologické centrum AV ČR, v.v.i.	3	2. Physical Sciences
23-07154S	prof. Ing. Pavel Lhoták, CSc.	Chalcogen analogues of calix[n]arenes as novel macrocycles for supramolecular chemistry	Vysoká škola chemicko-technologická v Praze, Fakulta chemické technologie	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-07169S	prof. Ing. Igor Jex, DrSc.	Multipartite quantum dynamics on graphs and hypergraphs – theory and applications	České vysoké učení technické v Praze, Fakulta jaderná a fyzikálně inženýrská	3	2. Physical Sciences
23-07175S	doc. Ing. Radovan Herchel, Ph.D.	Semicoordination: a route to chemically stable molecular nanomagnets	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	2. Physical Sciences
23-07254S	prof. RNDr. Karel Lemr, Ph.D.	Shape of mobility peaks as a tool for discrimination of isomers by ion mobility-mass spectrometry	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	2. Physical Sciences
23-07310S	Prof. RNDr. Tomáš Pánek, Ph.D.	Deciphering the largest rock spread on Earth: why in arid Patagonia?	Ostravská univerzita, Přírodovědecká fakulta	3	2. Physical Sciences
23-07334S	Ing. Štěpán Štverák, Dr.	Plasma interaction effects on electron measurements on board Solar Orbiter spacecraft	Ústav fyziky atmosféry AV ČR, v. v. i.	3	2. Physical Sciences
23-07430S	prof. RNDr. Martin Kotora, CSc.	Novel Kind of Full Carbon Planarly Chiral 3D Polyaromatics: Synthesis and Application	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-07432S	Dr. techn. Eric Glowacki, MSc.	Faraday's Scalpel: electrochemical oxygen reduction for precise neural tissue ablation	Vysoké učení technické v Brně, Středočeský technologický institut	3	2. Physical Sciences
23-07457S	Mgr. David Kubizňák, Ph.D.	Hidden Symmetries and Black Hole Chemistry	Univerzita Karlova, Matematicko-fyzikální fakulta	3	2. Physical Sciences
23-07499S	doc. RNDr. Jana Bielčíková, Ph.D.	Study of quark-gluon plasma with hard probes and limits of its formation	Ústav jaderné fyziky AV ČR, v.v.i.	3	2. Physical Sciences
23-07563S	Ing. Miroslav Krůš	Boranes: A route to the inertial confinement of proton-boron fusion.	Ústav fyziky plazmatu AV ČR, v. v. i.	3	2. Physical Sciences
23-07565S	Ing. Ondřej Lengál, Ph.D.	Representing Boolean Functions by a Self-Adaptable Data Structure	Vysoké učení technické v Brně, Fakulta informačních technologií	3	2. Physical Sciences
23-07581S	Doc. RNDr. Jiří Urban, Ph.D.	Comprehensive top-down-bottom-up proteomics	Masarykova univerzita, Přírodovědecká fakulta	3	2. Physical Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-07605S	doc. Ernst Paunzen, PhD	The fate of Galactic open clusters	Masarykova univerzita, Přírodovědecká fakulta	2	2. Physical Sciences
23-07616S	prof. RNDr. Petr Nachtigall, Ph.D.	Operando Modeling of Zeolites: Beyond the Chemical Intuition	Univerzita Karlova, Přírodovědecká fakulta	3	2. Physical Sciences
23-07625S	Dr. sc. nat. Tomáš Magna	Pre-Variscan oceanic basins of the Bohemian Massif - Integrating petrology, geochronology and non-traditional stable isotope systems	Česká geologická služba	3	2. Physical Sciences
23-07703S	Mgr. Marek Piliarik, Ph.D.	Label-free super-resolution microscopy based on single-protein fluctuations to study the assembly of tau protein envelopes	Ústav fotoniky a elektroniky AV ČR, v.v.i.	3	2. Physical Sciences
23-07821S	Mgr. Pavlína Hasalová, Ph.D.	Pervasive melt migration in continental crust: a micro-scale process with large-scale implications	Česká geologická služba	3	2. Physical Sciences
23-07931S	David Fernández Duque	Transfinite Certificates of Convergence	Ústav informatiky AV ČR, v.v.i.	3	2. Physical Sciences
23-07947S	Mgr. Jakub Mareček, Ph.D.	Learning Models of Quantum Systems as a Non-Commutative Polynomial Optimization Problem	České vysoké učení technické v Praze, Fakulta elektrotechnická	3	2. Physical Sciences
23-08049S	Dr. Ulf Büntgen	Central European HYDROclimate from Oak stable isotopes over the past 8000 years – HYDRO8	Ústav výzkumu globální změny AV ČR, v. v. i.	3	2. Physical Sciences
23-08056S	prof. Ing. Mgr. Miroslav Trnka, Ph.D.	Dynamic tracking of drought events and their classification on the global scale - DynamicDrought	Ústav výzkumu globální změny AV ČR, v. v. i.	3	2. Physical Sciences
23-08249S	RNDr. Pavla Štípká, Ph.D.	Origin of the relaminant in the Bohemian Massif during the Variscan orogeny	Česká geologická služba	3	2. Physical Sciences
23-04655S	prof. PharmDr. Karel Šmejkal, Ph.D.	Role of prenylation and glycosylation patterns in anti-inflammatory activity and metabolism of natural phenolic compounds	Masarykova univerzita, Farmaceutická fakulta	3	3. Medical and Biological Sciences
23-04662S	prof. RNDr. Zdeněk Dvořák, Ph.D., DrSc.	Dietary monoterpenoids as a novel class of aryl hydrocarbon receptor negative allosteric modulators in the therapy of colon cancer	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-04670S	Mgr. Jan Jakubík, Ph.D.	Structure-activity guided design of novel long-acting antagonists of muscarinic receptors	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-04671S	prof. Ing. Jiří Neužil, CSc.	Metabolic switch in liver regeneration	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-04686S	RNDr. Veronika Obšilová, Ph.D.	The role of calcium and 14-3-3 protein in the regulation of human ubiquitin ligase Nedd4-2	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-04755S	Mgr. et Mgr. Dalibor Blažek, Ph.D.	Characterization of a new pathway regulating pre-mRNA splicing	Masarykova univerzita, Středočeský technologický institut	3	3. Medical and Biological Sciences
23-04769S	prof. M.Sc. Vjačeslav Jurčenko, Ph.D.	Telomere biology of trypanosomatids: contrasting features point to diverse strategies	Ostravská univerzita, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-04876S	doc. RNDr. Marcela Buchtová, Ph.D.	Nanodiamonds as selective protein traps to regulate disorders caused by aberrant FGF2 signaling	Masarykova univerzita, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-04918S	Dr. Nicola Silva	A Chromatin Modification-mediated Mechanism Illuminates a Novel Pathway for the Establishment of Meiotic Chromosome Synapsis	Masarykova univerzita, Lékařská fakulta	3	3. Medical and Biological Sciences
23-04922S	prof. MUDr. Ladislav Vyklický, DrSc.	In vitro and in vivo study of the consequences of disease-associated mutations in the NMDA receptor and potential rescue pharmacology	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05070S	prof. PharmDr. Alena Sumová, CSc., DSc.	Development of circadian clocks in neurons and glia of the fetal brain and their sensitivity to maternal stress	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05257S	doc. Mgr. Zbyněk Heger, Ph.D.	Ferritin-based prodrugs as nanovaccines for synergic immunotherapy of solid tumors	Vysoké učení technické v Brně, Středočeský technologický institut	3	3. Medical and Biological Sciences
23-05274S	prof. MUDr. Milan Brázdil, Ph.D.	Therapeutic miRNA targeting in epilepsy: Impact on excitability and beyond	Masarykova univerzita, Středočeský technologický institut	3	3. Medical and Biological Sciences
23-05284S	doc. Mgr. Jan Paleček, Dr. rer. nat	Deciphering the relationship between homologous recombination and gene silencing	Masarykova univerzita, Přírodovědecká fakulta	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-05303S	Mgr. Štěpána Boukalová, Ph.D.	Exploiting metabolic vulnerabilities in succinate dehydrogenase-deficient cancers	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05327S	Ing. Lukáš Valihrach, Ph.D.	Astrocyte-microglia communication as a target for stroke therapy	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05377S	prof. MUDr. Pavel Kleiner, Ph.D.	Single-cell transcriptomics for the analysis of subclonal heterogeneity and clonal evolution of mantle cell lymphoma	Univerzita Karlova, 1. lékařská fakulta	3	3. Medical and Biological Sciences
23-05389S	RNDr. Miroslav Kvasnica, Ph.D.	Novel CB2 and BChE modulators against Parkinson's disease and related pathologies	Ústav experimentální botaniky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05462S	doc. RNDr. Vladimír Kryštof, Ph.D.	Targeting of FLT3 using new dual inhibitors as a therapeutic approach in MLL-rearranged acute myeloid leukemia	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-05474S	prof. Ing. Miroslav Strnad, CSc., DSc.	Modulation of kinases for targeted treatment of haematological and other malignancies	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-05540S	Dr. Jessica Kwok, PhD.	Modulation of extracellular matrix to enhance neuroplasticity for the rescue of age-related memory deficits.	Ústav experimentální medicíny AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05609S	Kari Hemminki, M.D. Ph.D.	Explaining metastatic potential of colorectal cancer through whole-exome sequencing and immune cell and telomere landscape	Univerzita Karlova, Lékařská fakulta v Plzni	3	3. Medical and Biological Sciences
23-05622S	Mgr. Jarmila Hnilicová, Ph.D.	Novel regulatory RNAs interacting with the transcription machinery in bacteria	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05634S	RNDr. Branislav Večerek, PhD.	Contribution of regulatory RNAs to the pathogenesis of <i>Bordetella pertussis</i>	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05645S	Mgr. Klára Kostovčíková, Ph.D.	Experimental ketogenic diet effect on immune response and ability of organism to cope with foreign substances (xenobiotics) in experimental model	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05764S	prof. Mgr. Marek Eliáš, Ph.D.	Organellar translation as an evolutionary playground	Ostravská univerzita, Přírodovědecká fakulta	3	3. Medical and Biological Sciences

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23-05805S	RNDr. Lenka Žáková, Ph.D.	Mannose-6-phosphate/insulin-like growth factor 2 receptor ligands to study their in vitro effects in pathological and neural processes	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-05857S	Mgr. Eugenie Nepovimová, Ph.D.	Alzheimer's disease and aging: can mTOR inhibitors kill two birds with one drug?	Univerzita Hradec Králové, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-05951S	Philip John Coates, Ph.D.	Mechanisms and Effects of Inverse TAp63 and ΔNp63 Regulation	Masarykův onkologický ústav	3	3. Medical and Biological Sciences
23-05963S	RNDr. Gabriela Pavlínková, Ph.D.	Transcriptional and epigenetic regulation of auditory neuron development	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06027S	RNDr. Lukáš Alán, PhD	The role of Vwa8 protein in the regulation of mitochondrial lipid metabolism	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06051S	Mgr. Tomáš Perečko, PhD	Electrophilic nitro-fatty acids as countermeasures of ionizing radiation-induced hematopoietic damage: targeting NRF2 pathway	Biofyzikální ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06129S	doc. Mgr. David Staněk, Ph.D.	Identification of molecular defects caused by mutations in splicing factors linked with retina degeneration	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06160S	Mgr. Jan Křivánek, Ph.D.	Fluctuation of the stem cell niche as a source of tissue adaptability in health and disease	Masarykova univerzita, Lékařská fakulta	3	3. Medical and Biological Sciences
23-06208S	RNDr. Katarína Smolková, Ph.D.	Targeting tamoxifen resistance in breast carcinoma: the role of glycerophospholipid metabolism	Fyziologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06269S	Ing. Miroslava Anděrová, CSc.	Disturbed regulation of mTOR signaling in glial cells following cerebral ischemia	Ústav experimentální medicíny AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06295S	Ing. Jan Dohnálek, Ph.D.	Where transcription meets translation	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06299S	prof. RNDr. Petr Volf, CSc.	Transmission cycles of Leishmania major in natural reservoir hosts: local analyses with global implications	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-06307S	Mgr. Vojtěch Novohradský, PhD.	Metal-based compounds as candidates for antimetastatic chemotherapy	Biofyzikální ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06316S	prof. RNDr. Jana Kašpárková, Ph.D.	Medicinal biophysics and biochemistry of light-activated metallodrugs for targeted cancer therapy.	Biofyzikální ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06368S	RNDr. Libuše Váchová, CSc.	Intercellular coordination and competition in spatially-structured yeast populations: Processes and regulations	Mikrobiologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06472S	Mgr. Karel Souček, Ph.D.	Elucidation of Haspin kinase interactome and its role in the context of cell plasticity	Biofyzikální ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06536S	Mgr. Ivo Fabrik, Ph.D.	Pnpt1 as a regulator of metabolic reprogramming in phagocytes	Fakultní nemocnice Hradec Králové	3	3. Medical and Biological Sciences
23-06546S	RNDr. Tomáš Petrásek, Ph.D.	The role of parvalbumin-positive interneurons in a rat model of schizophrenia induced by maternal immune activation	Národní ústav duševního zdraví	3	3. Medical and Biological Sciences
23-06558S	Doc. PharmDr. Martin Štěrba, Ph.D.	Anthracycline-induced DNA damage signaling in the heart: implications for cardiotoxicity development and its pharmacological modulations	Univerzita Karlova, Lékařská fakulta v Hradci Králové	3	3. Medical and Biological Sciences
23-06571S	Mgr. Karel Doležal, Dr., DSc.	What orang-utans can teach us: plants used for self-medication as a potential source of bioactive substances with amoebicidal and antigiardial effects	Ústav experimentální botaniky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06605S	RNDr. Dominik Filipp, CSc.	Interplay of cytoskeleton and membrane morphology during formation of immunological synapse	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06638S	RNDr. Jan Dvořák, Ph.D.	Schistosoma mansoni egg-secreted proteins: a comparative approach to identify bioactive molecules of a human parasite.	Česká zemědělská univerzita v Praze, Fakulta agrobiologie, potravinových a přírodních zdrojů	3	3. Medical and Biological Sciences
23-06675S	doc. RNDr. Petr Vaňhara, Ph.D.	Pulmonary stress and regeneration	Masarykova univerzita, Lékařská fakulta	3	3. Medical and Biological Sciences
23-06676S	Mgr. Tomáš Brdička, Ph.D.	Adaptor protein PSTPIP2 and chronic multifocal osteomyelitis in mouse models and human patients	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-06884S	RNDr. Bořivoj Vojtěšek, DrSc.	Characterization of the ribosome translating pre-spliced mRNAs for the synthesis of antigenic peptide substrates for the MHC-I pathway	Masarykův onkologický ústav	3	3. Medical and Biological Sciences
23-06888S	Mgr. Pavel Doležal, Ph.D.	Iron-sulfur cluster biosynthesis in Giardia intestinalis mitosomes and their role in cellular metabolism and antibiotic resistance.	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06913S	Konstantinos Tripsianes, Ph.D.	Understanding the order-disorder continuum in Dishevelled function and Wnt signaling	Masarykova univerzita, Středoevropský technologický institut	3	3. Medical and Biological Sciences
23-07021S	prof. MUDr. David Šmajš, Ph.D.	In vitro cultivation of <i>Treponema pallidum</i> : a new tool to study genetics and pathogen-host interaction of the agent of syphilis	Masarykova univerzita, Lékařská fakulta	3	3. Medical and Biological Sciences
23-07056S	RNDr. Zbyněk Kozmík, CSc.	Evolutionary history of vertebrate lateral plate mesoderm: an insight from the basal chordate amphioxus	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07074S	Ing. Mgr. Jaroslav Hlinka, Ph.D.	Symmetries of brain connectivity	Národní ústav duševního zdraví	3	3. Medical and Biological Sciences
23-07094S	prof. PharmDr. František Štaud, Ph.D.	Cannabis use in pregnancy; effects on endocrine and immune functions of the placenta	Univerzita Karlova, Farmaceutická fakulta v Hradci Králové	3	3. Medical and Biological Sciences
23-07096S	Ing. Kvido Stříšovský, Ph.D.	Mechanistic and structural analysis of the ADAM17-iRhom2 complex for novel anti-inflammatory strategies	Ústav organické chemie a biochemie AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07141S	Panagiotis Alexiou, PhD	A computational-experimental approach to non-miRNA Ago2 targeting	Masarykova univerzita, Středoevropský technologický institut	3	3. Medical and Biological Sciences
23-07149S	RNDr. Cyril Bařinka, Ph.D.	Mechanistic insights into microtubule polyglutamylations by tubulin tyrosine ligase-like 11 (TTLL-11)	Biotechnologický ústav AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07160S	prof. RNDr. Daniel Růžek, Ph.D.	Molecular pathogenesis of alimentary infection by tick-borne encephalitis virus.	Masarykova univerzita, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-07184S	doc. RNDr. Jiří Novotný, DSc.	Circadian regulation of kynurenine pathway enzymes in rat brain and peripheral organs	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-07212S	Mgr. Vladimír Soukup, Ph.D.	New organizers of development of body appendages in vertebrates	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-07273S	MUDr. Jiří Bártek, CSc., Dr.h.c.	Exploring the role of PML nucleolar compartment in rDNA maintenance in normal and cancer cells	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-07277S	Mgr. Vladimír Hampl, Ph.D.	Spatial proteomics of Euglena gracilis with a focus on its pellicle structure and chloroplast protein import	Univerzita Karlova, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-07370S	Mgr. Vladimír Varga, PhD	Starvation as a trigger of cellular differentiation of Trypanosoma brucei procyclic form	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07372S	prof. Mgr. Štěpánka Vaňáčová, Ph.D.	Identification and role of RNA surveillance and degradation factors in the regulation of gene expression	Masarykova univerzita, Středočeský technologický institut	3	3. Medical and Biological Sciences
23-07396S	Dr. Teije Middelkoop, PhD	Converting molecular-scale torques to organismal left-right symmetry breaking	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07532S	RNDr. Dávid Drutovič, Ph.D.	Regulation of acentriolar spindle assembly and chromosome segregation in human and mouse oocyte meiosis	Ústav živočišné fyziologie a genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07631S	Mgr. Michaela Bosáková, Ph.D.	The function of GRK2 kinase in skeletogenesis and bone homeostasis	Ústav živočišné fyziologie a genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07674S	doc. Hassan Hashimi, Ph.D.	How systematic changes to the membrane proteome and cardiolipin drive mitochondrial cristae development	Biologické centrum AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07736S	RNDr. Petr Dráber, DrSc.	New signaling pathways induced in mast cells by cholesterol-dependent cytolysins	Ústav molekulární genetiky AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07810S	Mgr. Michaela Fencková, PhD	Drosophila habituation to close the gap in genetic diagnostics of neurodevelopmental disorders	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	3. Medical and Biological Sciences
23-07850S	RNDr. Daniel Sojka, Ph.D.	Master proteases driving the apical complex of Babesia parasites	Biologické centrum AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-07990S	RNDr. Roman Kuchta, Ph.D.	Secretomics: exploration of intercellular communicators between parasites and their hosts	Biologické centrum AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-08039S	RNDr. Martin Palus, Ph.D.	Neuropathogenesis linked to NS1 protein of tick-borne encephalitis virus	Biologické centrum AV ČR, v.v.i.	3	3. Medical and Biological Sciences
23-04719S	doc. Mgr. Markéta Ziková, Ph.D.	Development of Syllabic Sonorants in Czech	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-04764S	Mgr. Jana Obrovská, Ph.D.	Addressing the Individual Educational Needs of All Students: Ethnography of Lower Secondary Classrooms	Masarykova univerzita, Pedagogická fakulta	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-04781S	Prof. PhDr. Pavel Zatloukal	From the Obelisk to Moderation. Brno Architecture of the Nineteenth Century	Ostravská univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-04833S	doc. Mgr. Tomáš Weiss, M.A., Ph.D.	Specialisation in EU small states' foreign and security policy	Univerzita Karlova, Fakulta sociálních věd	3	4. Social Sciences and Humanities
23-04955S	doc. PhDr. Věra Stojarová, Ph.D.	Russian influence operations in the Western Balkans and their impact on the Western Balkan Security Complex	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-04979S	doc. Mgr. Martin Pelc, Ph.D.	Schlaraffia: The Element of Play in Nineteenth-century Culture	Slezská univerzita v Opavě, Filozoficko-přírodovědecká fakulta	3	4. Social Sciences and Humanities
23-04980S	Ing. Mgr. Petr Pytlík, Ph.D.	The function of paratexts at the reception of authors of the Gruppe 47 in Czechoslovakia between 1948-1989	Masarykova univerzita, Pedagogická fakulta	3	4. Social Sciences and Humanities
23-04986S	Mgr. Klára Bárlová, Ph.D. et Ph.D.	Sexual orientation or not? Capturing the diversity of cognitive, psychosocial, and psychophysiological aspects of asexuality	Univerzita Karlova, Fakulta humanitních studií	3	4. Social Sciences and Humanities
23-04988S	doc., Mgr. Miroslav Valeš, Ph.D.	A Fala Grammar Based on Primary Data and Community Engagement	Technická univerzita v Liberci, Fakulta přírodně-humanitní a pedagogická	3	4. Social Sciences and Humanities
23-04989S	Mgr. Marie Peterková Hlouchová, Ph.D.	Ancient Egyptian Burial Containers of the Old Kingdom and First Intermediate Period. Evolution, Contextualisation and Significance	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05005S	Fil.dr Mgr. Anežka Kuzmičová	Ways of imagining with children's nature nonfiction (WONDER)	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05042S	Mgr. Radka Heisslerová, Ph.D.	"Czech Vasari" Jan Jakub Quirin Jahn (1739–1802) and his conception of the history of visual arts in Bohemia	Národní galerie v Praze	3	4. Social Sciences and Humanities
23-05045S	PhDr. Bc. Věra Dvořáčková, Ph.D.	Symbols of Science 1945–1970	Masarykův ústav a Archiv AV ČR, v.v.i.	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-05047S	doc. PhDr. Iva Šmídová, Ph.D.	Institutions of Ageing Men	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-05096S	RNDr. Robert Osman, Ph.D.	Geographies of Crip Temporalities: Time in Everydayness of People with Disabilities	Masarykova univerzita, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
23-05138S	Mgr. Adéla Ebersonová, Ph.D.	Medieval Libraries of the Canons Regular of St Augustine in Bohemia in the Context of Central Europe	Univerzita Karlova, Fakulta humanitních studií	3	4. Social Sciences and Humanities
23-05178S	Mgr. Matyáš Havrda, Ph.D.	Credible medicine: Galen's method of inquiry and proof	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-05181S	doc. PhDr. Jana Mynářová, Ph.D.	Archaeology of Texts. Tradition, Transmission, and Transformation in the Ancient Near East	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05238S	Mgr. et Mgr. Marie Mikulová, Ph.D.	Functions and forms of circumstantial modifications	Univerzita Karlova, Matematicko-fyzikální fakulta	3	4. Social Sciences and Humanities
23-05240S	Mgr. Barbora Štěpánková, Ph.D.	Epistemic and Evidential Markers in Czech	Univerzita Karlova, Matematicko-fyzikální fakulta	3	4. Social Sciences and Humanities
23-05243S	Alberto Virdis, Ph.D.	Fragmented Images. Exploring the Origins of Stained Glass Art	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05248S	PhDr. Jan Mergl, Ph.D.	Circulation of knowledge as a basis for multiculturalism and its role in a transformation of the Czech art Industry in 1850s–1920s	Uměleckoprůmyslové muzeum v Praze	3	4. Social Sciences and Humanities
23-05300S	Mgr. Eva Taterová, M.A., Ph.D.	Czechoslovak Diplomacy and the Arab-Israeli Conflict from 1948–1989	Ústav pro soudobé dějiny AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-05312S	doc. PhDr. Petr Hlad'o, Ph.D.	Research on perceived work ability among lower secondary school teachers	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05334S	Mgr. Pavel Burgert, Ph.D.	Metabasites of the Jizerské Hory (Jizera Mountain) Type as a Trans-Cultural Link Between Central European Prehistoric Communities	Archeologický ústav AV ČR, Praha, v.v.i.	3	4. Social Sciences and Humanities
23-05374S	Mgr. Filip Jaroš, Ph.D.	Reframing Philosophical Anthropology: Searching for an Anthropological Difference Beyond the Nature/Culture Dichotomy	Univerzita Hradec Králové, Filozofická fakulta	3	4. Social Sciences and Humanities

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23-05379S	Zsófia Csajbók, M.A., Ph.D.	Exploring the dynamics of depressive symptoms in intimate relationships	Univerzita Karlova, Fakulta humanitních studií	3	4. Social Sciences and Humanities
23-05408S	Mgr. Vít Třebický, Ph.D.	Attractiveness cues to physical fitness across perceptual modalities	Univerzita Karlova, Fakulta tělesné výchovy a sportu	3	4. Social Sciences and Humanities
23-05437S	PhDr. Dalibor Dobiáš, Ph.D.	Literary criticism in the Bohemian lands in the period of the formation of national canons (1806-1858)	Ústav pro českou literaturu AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-05448S	prof. PhDr. Vojtěch Kolman, Ph.D.	Fallibilism and Its Immanent Structure	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05449S	doc. Bernadette Nadya Jaworsky, Ph.D.	People Like Us? A Reverse Sociology of Migration in Czechia	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-05519S	RNDr. Šárka Kaňková, Ph.D.	Disgust sensitivity before and after conception: immunological and hormonal correlates and long-term effects on maternal and child health	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
23-05562S	Mgr. et Mgr. Michaela Spurná, Ph.D.	Who teaches future geography teachers? Social representations of teachers and teaching in initial teacher education	Masarykova univerzita, Pedagogická fakulta	3	4. Social Sciences and Humanities
23-05587S	doc. PhDr. Daniel Špelda, Ph.D.	Philosophical Legitimation of Science in the Early Enlightenment: Fontenelle and His Contemporaries	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05617S	doc. Mgr. Petr Knecht, Ph.D.	Conceptions of geography teaching: Exploring the ecological validity of an assessment tool	Masarykova univerzita, Pedagogická fakulta	3	4. Social Sciences and Humanities
23-05637S	Mgr. Viktor Ber, Ph.D.	Capital offences in the Deuteronomistic Code, and their early linguistic recontextualization	Jihočeská univerzita v Českých Budějovicích, Teologická fakulta	3	4. Social Sciences and Humanities
23-05641S	Mgr. Pavel Baloun, Ph.D.	Punish or rehabilitate? Gender, convict labour, and disciplinarian in the workhouse in the Czech lands (1918-1950)	Historický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-05655S	Mgr. Martin Lang, Ph.D.	Signaler psychology: Investigating computations underlying human cooperative communication	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05753S	Mgr. Jiří Hlaváček, Ph.D.	Minutes between life and death: Changes in emergency medical service and the professional identity of its employees in the Czech lands 1952–2003	Ústav pro soudobé dějiny AV ČR, v.v.i.	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-05769S	PhDr Ayaz Zeynalov, PhD	Weathering Corporate Bankruptcy: The Role of Discipline Effect	Vysoká škola ekonomická v Praze, Fakulta mezinárodních vztahů	3	4. Social Sciences and Humanities
23-05777S	Petr Jakubík	New challenges in macroprudential policies for the European insurance sector	Univerzita Karlova, Fakulta sociálních věd	3	4. Social Sciences and Humanities
23-05800S	Mgr. David Černín, Ph.D.	The Big History and its Philosophical Potential	Ostravská univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05873S	Martin Komarc, Ph.D.	Motivation for physical education in Czech high school students: Longitudinal associations with psychosocial antecedents and cognitive outcomes	Univerzita Karlova, Fakulta tělesné výchovy a sportu	3	4. Social Sciences and Humanities
23-05880S	doc. Mgr. Aleš Urválek, Ph.D.	Intercultural and interdisciplinary transfer on the border of historical epochs: the intellectual biography of Joachim Moras	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-05893S	Mgr. Miroslav Hanke, Ph.D.	On Knowing and Doubting: The Tradition of British Epistemic Logic in Late-Medieval Period	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-05924S	Mgr. Jana Nosková, Ph.D.	Between "East" and "West" – border experiences and narratives on the Czech-Slovak and Slovak-Ukrainian state borders	Etnologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-05958S	doc. Mgr. Monika Brusenbauch Meislová, Ph.D.	Self-Legitimation Practices of EU Institutions in an Age of Permanent Emergency: A Discursive Perspective	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-06062S	Mgr. Petr Kadlec, Ph.D.	The modernisation of commercial education in Cisleithania 1848-1918: patterns, trends, processes	Ostravská univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06139S	Mgr. Vladimír Holý, Ph.D.	Dynamic Score-Driven Models in Operations Research	Vysoká škola ekonomická v Praze, Fakulta informatiky a statistiky	3	4. Social Sciences and Humanities
23-06150S	Mgr. Tereza Matějčková, Ph.D.	Repetition: The Mother of Originality? Copying and Its Uncertain Promise	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06170S	doc. Mgr. Sylvie Graf, Ph.D.	The Role of Distinct Types of Social Norms in Improving Conflictual Intergroup Relations	Psychologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06180S	Mgr. Jaromír Mazák, Ph. D.	The Impact of the Legitimacy of Civil Society Organizations on Volunteering: The Case of Czechia in a Post-Communist Context	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06187S	Mgr. Stanislav Popelka, Ph.D.	Identification of barriers in the process of communication of spatial socio-demographic information	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	4. Social Sciences and Humanities

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23-06213S	Smaranda Pantea	Digitalization of the public sector: effects on growth and innovation of domestic IT sectors	Vysoká škola ekonomická v Praze, Fakulta mezinárodních vztahů	3	4. Social Sciences and Humanities
23-06243S	JUDr. Miroslav Sedláček, Ph.D., LL.M.	Digital Resolution of Civil Disputes and Guarantee of the Right to a Due Process	Univerzita Karlova, Právnická fakulta	3	4. Social Sciences and Humanities
23-06264S	PhDr. Martina Mysíková, Ph.D.	Income poverty: Household expenses and indebtedness in European countries	Sociologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06280S	Michal Holčapek	New approaches to forecasting of financial time series within fuzzy-probabilistic setting	Ostravská univerzita, Centrum excelence IT4Innovations, divize OU, Ústav pro výzkum a aplikace fuzzy modelování	3	4. Social Sciences and Humanities
23-06282S	Dr. Fabio Giovanni Lamantia	Evolutionary economic dynamics with finite populations: Modeling and applications	Vysoká škola báňská - Technická univerzita Ostrava, Ekonomická fakulta	3	4. Social Sciences and Humanities
23-06289S	PhDr. Lenka Kollerová, Ph.D.	Consequences of bullying: How classroom characteristics weaken the psychological problems associated with victimization	Psychologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06346S	Jakub Eberle, Ph.D.	Digital Sovereignty and Central Europe	Ústav mezinárodních vztahů, v.v.i.	3	4. Social Sciences and Humanities
23-06348S	Mgr. et Mgr. Marcela Petrová Kafková, Ph.D.	Meanings of food intake in old age	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-06394S	Mgr. Jan Kapusta, Ph.D.	Key cultural sources, ideas, and practices of Western alternative spirituality and medicine	Západočeská univerzita v Plzni, Fakulta filozofická	3	4. Social Sciences and Humanities
23-06403S	Mgr. Helena Tůmová, Ph.D.	Provenance of Marble from Northern Italy and Istria as Evidence of Interconnections between the East and West in Late Antiquity	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06406S	Mgr. Kamila Hladíková, Ph.D.	Representations and Role of Tibetan Buddhism in Narratives about Tibet from 1950s to Present	Univerzita Palackého v Olomouci, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06411S	Ing. Zbyněk Dubský, Ph.D.	Decarbonisation of the Czech energy sector through the prism of the new energy geopolitics of the EU (focusing on gas dependence)	Vysoká škola ekonomická v Praze, Fakulta mezinárodních vztahů	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06509S	doc. Mgr. et Mgr. Markéta Kulhánková, Ph.D.	Cherchez la femme. Female Characters in Late Byzantine Literature	Slovanský ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06606S	prof. PhDr. Ladislav Krištoufek, Ph.D.	Deep dive into decentralized finance: Market microstructure, and behavioral and psychological patterns	Ústav teorie informace a automatizace AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06645S	Mgr. Iva Lelková, Ph.D.	Scholarly publication strategies and correspondence networks of the post-White Mountain Czech Lands (1622 - 1667)	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06662S	MSc. Kateřina Klapilová, Ph.D.	Body or behavior? Exploring the relative roles of physical versus behavioral indicators of age in mating contexts in pedophiles and teleiophiles	Národní ústav duševního zdraví	3	4. Social Sciences and Humanities
23-06683S	Mgr. et Mgr. Adéla Souralová, Ph.D.	Grandparent-Grandchild Bonds: Cross-Generation Relations and Everyday Negotiations of Care Commitments	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-06790S	JUDr. Martin Hapla, Ph.D.	Human Rights and Welfarism	Masarykova univerzita, Právnická fakulta	3	4. Social Sciences and Humanities
23-06796S	James Brand	Cze-Lex: A large-scale quantification of the Czech lexicon	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06812S	Mgr. Jana Urbanovská, Ph.D.	Images of "the Other": Czech-German relations in times of crisis	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-06822S	Mgr. Rebeka Rmoutilová, Ph.D.	Human skeletal remains from Zlaty kůň: The re-examination and new interpretations of the 20th century excavations at Koněprusy Caves	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
23-06827S	prof. Dr. phil. Jakub Mácha, Ph.D.	The Ornament: Aesthetics, Politics and Metaphysics of Repetition	Metropolitní univerzita Praha, o.p.s.	3	4. Social Sciences and Humanities
23-06828S	doc. Mgr. Jakub Čapek, Ph.D.	The Reluctant Existentialism of Jan Patočka	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06902S	Mgr. Dušan Coufal, Th.D.	The Controversy over Wyclif and his 45 Articles in a European Perspective	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-06924S	Mgr. Hynek Cíglér, Ph.D.	Response-scale format effects on the psychometric parameters of items	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-06940S	doc. Mgr. Ondřej Chvojka, Ph.D.	Unity across the border. Indicators of economic and social relations of the Urnfield Period in the Bohemian-Bavarian area	Jihočeská univerzita v Českých Budějovicích, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06953S	Mgr. Michal Schwarz, Ph.D.	Evolutionary interferences of religion and governance in Inner Asia: comparison of mutual impacts with tributary countries: Mongolia, Korea, Vietnam	Masarykova univerzita, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06972S	Mgr. Daniela Theinová, Ph.D.	Green Ireland? Ecology in Modern Irish Poetry	Univerzita Karlova, Filozofická fakulta	3	4. Social Sciences and Humanities
23-06989S	Mgr. et Mgr. Ing. Štěpán Bahník, Ph.D.	Why don't birds of a feather always flock together? Imperfect selection of cheaters in cheating-enabling environments	Vysoká škola ekonomická v Praze, Fakulta podnikohospodářská	3	4. Social Sciences and Humanities
23-07020S	Mgr. Lucie Drdová, Ph.D.	BDSM under-CoV-2: The Central European BDSM subculture during the pandemic	Univerzita Hradec Králové, Pedagogická fakulta	3	4. Social Sciences and Humanities
23-07049S	Mgr. Jan Kovář, Ph.D.	Mapping and Explaining the Politicisation and Framing of European Integration in the Political Discourse of Central and Eastern European Countries	Ústav mezinárodních vztahů, v.v.i.	3	4. Social Sciences and Humanities
23-07068S	Mgr. Petr Dvořák, Ph.D.	Moral Argument in Juan Caramuel y Lobkowicz in the Context of Probabilism	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07081S	Sebastian Ottinger	The Effects and Origins of National and Local Political Institutions	Univerzita Karlova, Centrum pro ekonomický výzkum a doktorská studia	3	4. Social Sciences and Humanities
23-07114S	Mgr. et Mgr. Jiří Navrátil, Ph.D.	Between revolution and crisis: Emergence, evolution and restructuring of economic protest in post-socialist context	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-07119S	prof. RNDr. Jaroslav Peregrin, CSc.	MEANING AS AN OBJECT – PRINCIPLES OF SEMANTIC THEORIES	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-07128S	Dr. Gabriele Torri	Market based measures of systemic risk using synthetic CDOs	Vysoká škola báňská - Technická univerzita Ostrava, Ekonomická fakulta	3	4. Social Sciences and Humanities
23-07136S	Ing. Matej Lorko, PhD.	Three experiments on using salience towards sustainable tax compliance	Vysoká škola ekonomická v Praze, Fakulta podnikohospodářská	3	4. Social Sciences and Humanities
23-07198S	PhDr. Ivana Boháčová, Ph.D.	An Early Medieval Centre – Topography, Functions, Changes: Přemyslid Boleslav and its transformation into the seat of a collegiate chapter (900–1200)	Archeologický ústav AV ČR, Praha, v.v.i.	3	4. Social Sciences and Humanities
23-07227S	Mgr. Milan Řepa, Ph.D.	The Politics and Collective Identities of Bohemian Germans (1848–1914)	Historický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07257S	Mgr. Jan Urban, Ph.D.	Causal role of environmental identity in pro-environmental behavior	Univerzita Karlova, Centrum pro otázky životního prostředí	3	4. Social Sciences and Humanities
23-07270S	Ing. Miroslav Rada, Ph.D.	Using modern methods of discrete geometry for solving selected problems in operations research and data analysis – III	Vysoká škola ekonomická v Praze, Fakulta informatiky a statistiky	3	4. Social Sciences and Humanities
23-07295S	doc. PhDr. Jan Mervart, Ph.D.	A Genealogy of Czechoslovak Stalinism 1929–1953: Conceptualizations, Representations, Communications	Filosofický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07318S	doc. PhDr. Ondřej Sládek, Ph.D.	Czech Structuralism Between Poetics and Politics	Ústav pro českou literaturu AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07353S	Giedrė Šabasevičiūtė, Ph.D.	Pathways of Literary Professionalization in Twenty-first-century Egypt	Orientální ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07371S	doc. Ing. Mgr. Martin Lux, Ph.D.	Pragmatic socioeconomics: a new bridge between sociology and economics in housing studies	Sociologický ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07378S	prof. PhDr. Martin Kreidl, M.A., Ph.D.	The changing educational structure and new partnership dynamics: Highly educated women after the reversal of the gender gap in education	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-07382S	Mgr. Stanislav Martinát	Accumulating Environmental Injustices and the Emergence of Climate Vulnerability in Central-European Coal Regions: Socio-Spatial Perspectives	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-07559S	Mgr. Matouš Jaluška, Ph.D.	Verbal Efficacy in Literature of Medieval Bohemia	Ústav pro českou literaturu AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07619S	Mgr. Michaela Langová, Ph.D.	Pottery as a Witness to Cultural Change? The Early Bronze Age Settlement Agglomeration in Plotiště n. Labem in the Light of Multidisciplinary Research	Archeologický ústav AV ČR, Praha, v.v.i.	3	4. Social Sciences and Humanities
23-07642S	Vasily Korovkin, Ph.D.	The Effects of Wars and Conflicts on Production Networks: Evidence from Russia, Ukraine, and India	Národního hospodářský ústav AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07660S	Mgr. Martin Voříšek, Ph.D.	Schwarzenberg Wind Harmonie in the musical life of the princely court at the second half of the 18th century	Jihočeská univerzita v Českých Budějovicích, Pedagogická fakulta	3	4. Social Sciences and Humanities
23-07669S	Mgr. Veronika Jičínská, Ph. D.	Women's Writing and Translating in Fin-de-Siècle Prague and the Bohemian Lands	Univerzita Jana Evangelisty Purkyně v Ústí nad Labem, Filozofická fakulta	3	4. Social Sciences and Humanities
23-07727S	Mgr. Petr Plecháč, Ph.D.	European Poetry: Distant Reading	Ústav pro českou literaturu AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07747S	PhDr. Martin Loučka, Ph.D.	Hope and prognostic awareness in patients with advanced disease	Univerzita Karlova, 3. lékařská fakulta	3	4. Social Sciences and Humanities
23-07764S	Mgr. Alžběta Frank Danielisová, Ph.D.	Social and technological change along the Amber Road in the third century BC. Multi-isotopic and aDNA analysis of La Tène cemeteries in Moravia.	Archeologický ústav AV ČR, Praha, v.v.i.	3	4. Social Sciences and Humanities
23-07791S	prof. JUDr. Michal Skřejpek, DrSc.	Rituals and Symbols in Roman Law	Univerzita Karlova, Právnická fakulta	3	4. Social Sciences and Humanities
23-07819S	prof. RNDr. Petr Pavlánek, Ph.D.	Impacts of the transition to the manufacturing of electric vehicles in the Czech automotive industry	Univerzita Karlova, Přírodonědělská fakulta	3	4. Social Sciences and Humanities
23-07863S	PhDr. Rudolf Procházka, CSc.	Emergence of the high medieval pottery – the pottery kilns and their batch	Archeologický ústav AV ČR, Brno, v. i.	3	4. Social Sciences and Humanities
23-07933S	Mgr. Jiří Janáč, Ph.D.	Technocratic Environmentalism across the Iron Curtain: Czechoslovak experts in the UNECE (1950s-1980s)	Ústav pro soudobé dějiny AV ČR, v.v.i.	3	4. Social Sciences and Humanities
23-07934S	doc. PhDr. Irena Smetáčková, Ph.D.	LGBT+ identity as developmental challenge in school environment: individual, group and institutional perspective	Univerzita Karlova, Pedagogická fakulta	3	4. Social Sciences and Humanities

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-07983S	doc. Ing. Svatopluk Kapounek, Ph.D.	Corporate social behavior and responses to CSR policies, institutions, and economic distress	Mendelova univerzita v Brně, Provozně ekonomická fakulta	3	4. Social Sciences and Humanities
23-07985S	doc. PhDr. Roman Chytilek, Ph.D.	Same problem, different perception? An experimental research on attributes of political issues	Masarykova univerzita, Fakulta sociálních studií	3	4. Social Sciences and Humanities
23-08052S	Mgr. Markéta Braun Kohlová, Ph.D.	Using the theory of costly signalling to increase social status of frugal consumers and strengthen their pro-environmental consumption patterns	Univerzita Karlova, Centrum pro otázky životního prostředí	3	4. Social Sciences and Humanities
23-08311S	prof. RNDr. Luděk Sýkora, Ph.D.	Spatial and temporal dynamics of social exclusion and segregation	Univerzita Karlova, Přírodovědecká fakulta	3	4. Social Sciences and Humanities
23-04654S	doc. Ing. Kateřina Valentová, Ph.D.	Chemoenzymatic preparation and biological activity of metabolites of food polyphenols	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-04690S	Mgr. Jan Jansa, Ph.D.	Arbuscular mycorrhizal symbiosis and soil nitrification - extent and mechanisms of the interaction	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-04749S	RNDr. Vít Latzel, Ph.D.	Transgenerational adaptation of a clonal plant in the context of biotic interactions	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-04866S	Docent Michael Wrzaczek, PhD	Receptor-like protein kinase-mediated regulation of plasmodesmata and intercellular communication in plants	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-04887S	Mgr. Jan Bartoš, Ph.D.	Identification of genes controlling nondisjunction of the maize B chromosome	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-04891S	doc. RNDr. Aleš Vaněk, Ph.D.	SILVER STABLE ISOTOPE SYSTEMATICS IN ENVIRONMENTS AFFECTED BY MINING AND METALLURGY: METAL DYNAMICS IN SOILS	Česká zemědělská univerzita v Praze, Fakulta agrobiologie, potravinových a přírodních zdrojů	3	5. Agricultural and Biological-Environmental Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-05108S	Mgr. Tereza Toralová, Ph.D.	Maternal protein degradation and its impact on the development quality of mammalian preimplantation embryo	Ústav živočišné fyziologie a genetiky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-05132S	Mgr. Petra Hájková, PhD.	New calibration and indicator systems for reconstruction of Holocene climate controlled for local habitat development	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-05272S	RNDr. Jan Altman, Ph.D.	Tropical cyclone activity, drivers, and impact on forest ecosystems at different spatial and temporal scales	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-05453S	Mgr. Martina Janoušková, Ph.D.	Mycorrhiza as complex insurance of plants for variable conditions	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-05461S	Ing. David Püschel, Ph.D.	Water holding and translocation via mycorrhizal networks	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-05465S	Dr Dina in 't Zandt	Soil microbiota and soil resources as drivers of self-limitation and stability in grasslands	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-05564S	prof. RNDr. Viktor Žárský, CSc.	FASS/TON2 functions in moss cell morphogenesis and phylogenetic insights into the TPP complex evolution	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-05654S	Prof. RNDr. Jan Lepš, CSc.	Drivers of competition asymmetry in communities of perennial species: ubiquitous but untested	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-05733S	RNDr. Jesús Servando Hernández Orts	From the wheel to the thorn: Evolution and adaptations to parasitism in the Syndermata	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-05977S	Antonín Macháč	Diversity dynamics across scales	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06004S	prof. RNDr. Ivan Čepička, Ph.D.	New approaches to the important symbiosis: Diversity and dynamics of the relationship of anaerobic protists and intracellular methanogenic archaea	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06009S	prof. RNDr. Tomáš Cajthaml, Ph.D.	Detection of new hazardous micropollutants in drinking water supply system and in vitro study of the toxicity mechanisms using multi-omics approaches	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06075S	prof. RNDr. Evžen Stuchlík, CSc.	Environmental changes caused by extraterrestrial impacts and volcanism: Evidence from lake sediments	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06116S	Doc. Mgr. et Mgr. Josef Bryja, Ph.D.	Phyloregions of sub-Saharan Africa: Small mammals as a suitable model group for unbiased quantification of evolutionary diversity and uniqueness	Ústav biologie obratlovců AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06133S	Mgr. et Mgr. Adam Bajgar, Ph.D.	The role of macrophages in emergency lipid mobilization	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06140S	Helene Robert Boisivon, Ph.D.	Investigating the developmental function of the BnATAA1 gene family in Brassica napus	Masarykova univerzita, Středoevropský technologický institut	3	5. Agricultural and Biological-Environmental Sciences
23-06203S	Mgr. Tomáš Pánek, Ph.D.	Pushing the frontiers of plastid biology research by studying secondarily non-photosynthetic protists	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06379S	RNDr. Eva Kaštovská, Ph.D.	Performance of mountain ecosystems along elevation gradients under changing environmental conditions	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06426S	Prof. Ing. Otomar Linhart, DrSc.	DNA methylation in heterogeneous populations of fish spermatozoa after their aging in vitro	Jihočeská univerzita v Českých Budějovicích, Fakulta rybářství a ochrany vod	3	5. Agricultural and Biological-Environmental Sciences
23-06429S	doc. Ing. Jiří Bárta, Ph.D.	SoWaFUN - Fungal ecology at the soil-water interface	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06455S	RNDr. Petr Nguyen, Ph.D.	Mechanistic basis and evolution of meiotic idiosyncrasies in Lepidoptera	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06457S	RNDr. Pavel Hyršl, Ph.D.	Identification and functional characterization of bioactive molecules produced by entomopathogenic nematodes	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06507S	Mgr. Petr Dvořák, Ph.D.	Factors driving the global diversification of cosmopolitan cyanobacterium <i>Microcoleus</i>	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06518S	prof. Ing. Vladimír Koštál, CSc.	Diversity and physiological roles of small cryoprotective molecules in drosophilid flies: focusing on mitochondrial membranes.	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06568S	Mgr. Lukáš Falteisek, Ph.D.	Genome dynamics and maintenance in simple and homogeneous natural prokaryotic communities	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06593S	Prof. RNDr. Ondřej Prášil, Ph.D.	Mechanisms and importance of functional heterogeneity in unicellular nitrogen fixing cyanobacteria	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06614S	Mgr. Martin Kopecký, Ph.D.	Linking microclimate and forest dynamics: from plant growth responses to long-term vegetation change	Botanický ústav AV ČR, v. v. i.	3	5. Agricultural and Biological-Environmental Sciences
23-06643S	Mgr. Vratislav Peška, Ph.D.	Disposition, distribution, and processing of DNA lesions in the genome of <i>Arabidopsis thaliana</i> plants defective in DNA repair and nucleosome assembly	Biofyzikální ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06660S	Hervé Lesot	Physiological dynamics of odontogenesis in context of surrounding structures	Ústav živočisné fyziologie a genetiky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06726S	Mgr. Petra Šarhanová, Ph.D.	Sex in apomicts – hidden events detected with novel methods.	Masarykova univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences

Registration No.	Applicant	Title	Organization	Number of years	Discipline committee
23-06745S	Ing. David Janík, Ph.D.	How traits mediate tree interactions with neighbours, enemies and mutualists: explaining coexistence mechanisms in tropical and temperate forests	Výzkumný ústav Silva Taroucy pro krajинu a okrasné zahradnictví, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06757S	Ing. Petr Sedláček, Ph.D.	Self-entrapment of Plant Growth Promoting Rhizobacteria by gelation of their exopolysaccharides – towards the next-generation bioinoculants	Vysoké učení technické v Brně, Fakulta chemická	3	5. Agricultural and Biological-Environmental Sciences
23-06776S	Ing. Zuzana Vaňková, Ph.D.	Stable Mn oxide-biochar composites – a smart solution for complex soil remediation	Česká zemědělská univerzita v Praze, Fakulta životního prostředí	3	5. Agricultural and Biological-Environmental Sciences
23-06806S	Markus Haber	Phage host hunt: finding hosts for freshwater phages	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-06840S	prof. Mgr. Martin Lysák, Ph.D., DSc.	Evolutionary new centromeres in plants	Masarykova univerzita, Středoevropský technologický institut	3	5. Agricultural and Biological-Environmental Sciences
23-06881S	doc. Mgr. Pavel Škaloud, Ph.D.	Understanding the genetic basis of protist speciation	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06928S	Martin Dančák	Discovering new species – don't we really care? The genus <i>Thismia</i> (<i>Thismiaceae</i>) in Borneo and Sumatra	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06931S	Mgr. Jiří Grúz, Ph.D.	Phenylsulfates in plants and foods: Occurrence, environmental factors and health risk	Univerzita Palackého v Olomouci, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-06941S	Ing. Barbora Branská, Ph.D.	Inhibitors from bio-waste processing: challenge or opportunity for biotechnological production of chemicals by clostridia?	Vysoká škola chemicko-technologická v Praze, Fakulta potravinářské a biochemické technologie	3	5. Agricultural and Biological-Environmental Sciences
23-07000S	prof. RNDr. David Honys, Ph.D.	Exploring the regulatory roles of a newly discovered subgroup of bZIP transcription factors in plant development	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences

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23-07026S	Mgr. Miroslav Kolařík, PhD.	Unraveling the relationship between ambrosia gall midges and their symbionts: neglected model of fungus farming evolution	Mikrobiologický ústav AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07087S	Jules Segrestin	Effects of plant diversity loss on ecosystem carbon cycling in a changing world	Jihočeská univerzita v Českých Budějovicích, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07103S	prof. Mgr. Jiří Reif, Ph.D.	Towards the understanding of processes responsible for farmland biodiversity loss: insights from Central European birds	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07185S	Mgr. Markéta Ondračková, Ph.D.	Impact of non-native fish species on native parasite diversity in freshwater ecosystems	Ústav biologie obratlovců AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07210S	MUDr. Daniel Elleder, PhD	Virus sensing and interferon signaling in avian cells	Ústav molekulární genetiky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07216S	Mgr. Jakub Kreisinger, Ph.D.	Interplay between genetics, ecology and symbionts in two adaptive radiations of New Guinean rodents	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07274S	doc. Ing. Vladimír Žlábek, Ph.D.	Bioaccumulation dynamics of emerging contaminants in aquatic invertebrates using marbled crayfish	Jihočeská univerzita v Českých Budějovicích, Fakulta rybářství a ochrany vod	3	5. Agricultural and Biological-Environmental Sciences
23-07278S	Dr. Ivan Jaric	Harnessing iEcology and culturomics to advance invasion science	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07287S	RNDr. Radka Reifová, Ph.D.	The causes and evolutionary consequences of programmed DNA elimination in songbirds	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07303S	doc. Mgr. Stanislav Korenko, Ph.D.	Darwin wasps as a model of the parasitoid-host coevolution – an integrative approach	Česká zemědělská univerzita v Praze, Fakulta agrobiologie, potravinových a přírodních zdrojů	3	5. Agricultural and Biological-Environmental Sciences

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23-07331S	RNDr. Václav Gvoždík, Ph.D.	Genetic networks in the Congolian forests: Unexplored biodiversity archive, herpetological aspect	Ústav biologie obratlovců AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07347S	Michail Rovatsos, Ph.D.	Drivers of differentiation of sex chromosomes: challenging the classical models	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07363S	Mgr. Ondřej Novák, Ph.D.	Alternative splicing fine-tunes cytokinin perception in planta	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07376S	prof. RNDr. Břetislav Brzobohatý, CSc.	Modulation of the heat stress response by the cytokinin signaling pathway in Arabidopsis	Mendelova univerzita v Brně, Agronomická fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07403S	prof. Mgr. Bohumil Mandák, Ph.D.	Worldwide phylogeography and history of the globally invasive weed species <i>Chenopodium album</i> .	Česká zemědělská univerzita v Praze, Fakulta životního prostředí	3	5. Agricultural and Biological-Environmental Sciences
23-07533S	Mgr. Lukáš Čížek, Ph.D.	Temperate lowland woodlands in transition: How succession, climate change, exotic organisms, and management affect different trophic levels?	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07583S	Mgr. Filip Oulehle, Ph.D.	Does tree transpiration drive forest calcium biogeochemistry? Or the other way round?	Česká geologická služba	3	5. Agricultural and Biological-Environmental Sciences
23-07658S	prof. Mgr. Lukáš Kratochvíl, Ph.D.	Environmental sex determination in amniote vertebrates: a stress-related mechanism?	Univerzita Karlova, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07665S	Mgr. Marie Altmanová, Ph.D.	Is hybridization the only way to asexuality in vertebrates?	Ústav živočišné fyziologie a genetiky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07716S	Ing. Jan Douda, Ph.D.	Linking performance trade-off with modern coexistence theory and functional trait approach	Česká zemědělská univerzita v Praze, Fakulta životního prostředí	3	5. Agricultural and Biological-Environmental Sciences

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23-07733S	Ing. Přemysl Pejchar, Ph.D	All roads lead to ROS: spatio-temporal regulation of pollen NADPH oxidases	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07744S	Dr. Győző Garab, Dr.Sc.	Identification and characterization of structural entities associated with different lipid phases of plant thylakoid membranes	Ostravská univerzita, Přírodovědecká fakulta	3	5. Agricultural and Biological-Environmental Sciences
23-07776S	Prof. RNDr. Vojtěch Novotný, CSc.	Rainforest succession trajectories along an elevation gradient in times of climate change: a community-transplantation experiment in New Guinea	Biologické centrum AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07811S	Prof. Ing. Jiřina Száková, CSc.	Interaction of parasites and metal(oids) in small terrestrial mammals	Česká zemědělská univerzita v Praze, Fakulta agrobiologie, potravinových a přírodních zdrojů	3	5. Agricultural and Biological-Environmental Sciences
23-07813S	RNDr. Jan Petrášek, Ph.D.	Revealing the nature of auxin regulation of cell division and expansion	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences
23-07916S	Ing. Anna Jirošová, Ph.D.	Identification and RNAi silencing of aggregation pheromone production genes in the spruce-killing bark beetles (<i>Ips typographus</i>)	Česká zemědělská univerzita v Praze, Fakulta lesnická a dřevařská	3	5. Agricultural and Biological-Environmental Sciences
23-07970S	Mgr. Karel Říha, Ph.D.	Function and dynamics of P-bodies in plant meiosis	Masarykova univerzita, Středočeský technologický institut	3	5. Agricultural and Biological-Environmental Sciences
23-08067S	Mgr. Kamil Růžička, Dr. rer. nat.	Modulating ABA signaling pathways by alternative splicing of ABI2	Ústav experimentální botaniky AV ČR, v.v.i.	3	5. Agricultural and Biological-Environmental Sciences