

List of projects approved for funding within the Grant Programme for SAS PhD students in 2024

Total number of received applications within call in 2024: 108

Total number of evaluated applications within call in 2024: 108

Total number of applications within call in 2024 approved by SAS Presidium for funding: 54

Section 1 – Physical, Space, Earth, and Engineering Sciences

Total number of received applications: 23

Total number of applications approved for funding: 12

Subsection - Earth and Space Sciences – Total number of applications approved for funding: 3

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0628	M.Sc. Ashraf MD	Automated grain size measurements and mapping in the fluvial environment from drones using Structure from Motion image analyses	Geografický ústav SAV, v.v.i.	3000
APP0652	Jozef Bódi	Complex gravimetric research of subsurface anomalies using the Growth inversion approach	Ústav vied o Zemi SAV, v.v.i.	3000
APP0591	Mgr. Eva Proroková	Characteristics of secondary Mn minerals and research on their biotic and abiotic forms in the region of Štiavnica stratovolcano	Ústav vied o Zemi SAV, v.v.i.	3000

Subsection - Mathematical and Physical Sciences – Total number of applications approved for funding: 4

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0643	RNDr. Viktória Fedorová	Functional ligand utilization as assembly agent for protein-DNA bioconjugates	Ústav experimentálnej fyziky SAV, v.v.i.	3000
APP0683	Yury Chernyak	Harmonic oscillator-inspired Particle Swarm Optimization applied to the Variational Quantum Eigensolver	Fyzikálny ústav SAV, v.v.i.	3000
APP0626	Ravneet Kaur	Study of the atomic structure of amorphous materials using the pair distribution function	Ústav experimentálnej fyziky SAV, v.v.i.	3000
APP0657	Mgr. Friday Ikechukwu Agu	MODELING INSURANCE DATA WITH EXCESS ZEROS: CONVOLUTION OF ZERO-INFLATED AND STANDARD POISSON DISTRIBUTIONS	Matematický ústav SAV, v.v.i.	3000

Subsection - Engineering Sciences – Total number of applications approved for funding: 5

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0646	Mgr. Tatiana Kubišová	Odhad kritickej rýchlosti prúdenia v tuneli pomocou FDS	Ústav informatiky SAV, v.v.i.	2000
APP0660	Mr. Mohammad Dehghan, Mcs	Development of Electronic System Interface of Neuromorphic Arrays for In-Sensor Computing	Elektrotechnický ústav SAV, v.v.i.	3000
APP0641	Gholamreza Mohammadi Khoubsaraki	Development and Evaluation of a 4D Printed Piezoelectric Bilayer Wound Dressing for Accelerating Skin Wound Healing	Ústav materiálového výskumu SAV, v.v.i.	3000
APP0569	Ing. Peter Czirák	Štúdium vplyvu fyzikálno-mechanických faktorov recyklovaného kameniva na vlastnosti kompozitov konštrukčných betónov s maximalizáciou zníženia dopadu na životné prostredie	Ústav stavebníctva a architektúry SAV, v.v.i.	3000
APP0578	M.Sc Imelda Octa Tampubolon	Instantaneous preparation of nickel sulfides as electrocatalysts in water splitting	Ústav geotechniky SAV, v.v.i.	3000

Section 2 – Life, Chemical, Medical, and Environmental Sciences

Total number of received applications: 69

Total number of applications approved for funding: 34**Subsection - Medical Sciences – Total number of applications approved for funding: 16**

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0598	Mgr. Adam Kubinec	Neurokognitívne mechanizmy sémantickej pamäti	Centrum experimentálnej medicíny SAV, v.v.i.	3000
APP0629	Mgr. Kamila Bernátová	Štúdium kombinovanej inhibície karbonickej anhydrázy IX a mTOR v modeli svetlobunkového karcinómu obličiek	Biomedicínske centrum SAV, v.v.i.	3000
APP0625	Klaudia Cipková	Molecular mechanisms leading to EYA1 pre-mRNA splicing in patients with clinical symptoms of BO/BOR syndrome	Biomedicínske centrum SAV, v.v.i.	3000
APP0689	Waqar Ahmad	Novel Pharmacological Approaches for Rheumatoid Arthritis and its Extra-Articular Manifestations: Therapeutic Potential of Crocin and β -Cryptoxanthin with Focus on Modulating Plasma Levels of IL-17A and MMP-9	Centrum experimentálnej medicíny SAV, v.v.i.	3000

APP0635	Reyhaneh Nejati Bervanlou	Exercise-Induced Cardioprotection: Investigating the BDNF/TrkB/VGF Signaling Pathway in Hypertensive and Normotensive Rats	Biomedicínske centrum SAV, v.v.i.	3000
APP0602	Mgr. Lucia Juhásiková	Enhancing Immunotherapy Efficacy with Epigenetic Drugs in Organotypic Slice Cultures of Pancreatic Ductal Adenocarcinoma	Biomedicínske centrum SAV, v.v.i.	3000
APP0637	Viktória Piatriková	Štúdium rozdielov lipidového metabolizmu v testikulárnych nádorových líniách senzitívnych a rezistentných na cisplatinu	Biomedicínske centrum SAV, v.v.i.	3000
APP0662	Mgr. Tomáš Talač	Štúdium účinnosti fototermej terapie sprostredkovanej nanočasticami MoOx v 2D a 3D modeloch z pankreatických nádorových buniek	Biomedicínske centrum SAV, v.v.i.	3000
APP0605	Alžbeta Jančovičová	Validating the role of lactate in hepatic thermogenesis	Biomedicínske centrum SAV, v.v.i.	3000
APP0585	Anabela Nagyová	Skúmanie mechanizmov zodpovedných za behaviorálne zmeny vyvolané moduláciou endokanabinooidného systému: dôraz na neurozápal a kynurenínovú dráhu	Biomedicínske centrum SAV, v.v.i.	3000

APP0592	Jana Náhlíková	Ovplyvňuje hostiteľskú špecificitu hantavírusov bunkový proteín ERGIC-53 inkorporovaný v ich obale?	Biomedicínske centrum SAV, v.v.i.	3000
APP0594	Matúš Antal	Uncovering the role of mitochondria in the regulation of insulin secretion by GPR180	Biomedicínske centrum SAV, v.v.i.	3000
APP0630	Ing. Andrej Štubňa	Developing biofunctionalized magnetic beads for Coxiella burnetii isolation from animal tissues	Biomedicínske centrum SAV, v.v.i.	3000
APP0601	Laura Drndáková	Epigenetic Immune Modulation as a Therapeutic Approach for Pancreatic Ductal Adenocarcinoma	Biomedicínske centrum SAV, v.v.i.	3000
APP0678	MVSc. Kevin James	Blood-brain barrier transport system for therapy and diagnosis of Neurodegenerative diseases	Neuroimunologický ústav SAV, v.v.i.	3000
APP0671	Muhammad khalid Muhammadi	Mitochondrial Transplantation as a novel therapeutic strategy for the treatment of Alzheimer's disease	Neuroimunologický ústav SAV, v.v.i.	3000

Subsection - Biological and Chemical Sciences – Total number of applications approved for funding: 15

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0664	Mgr. Rebecca Radič	Vplyv manipulácie NMDA receptorov na regeneráciu mozgu po poškodení u pestúnky japonskej (Lonchura striata domestica)	Centrum biovied SAV, v.v.i.	3000
APP0616	Nafiseh Babaei	Synthesis and Characterization of bottle-brushed Star-like Poly (Oligo ethylene glycol methyl ether methacrylate)-b-poly(methyl methacrylate) block Copolymers as promising scaffolds for soft Tissue engineering applications	Ústav polymérov SAV, v.v.i.	3000
APP0595	MVDr. Natália Zábolyová	Sledovanie postbiotického účinku enterocínov na meticilín-rezistentné stafylokoky in vivo	Centrum biovied SAV, v.v.i.	3000
APP0674	Milan Hučko	Explainable machine learning model for cisplatin chemoresistance prediction and biomarker identification in testicular cancer	Ústav molekulárnej biológie SAV, v.v.i.	3000
APP0609	Lucia Černáková	Príprava nových funkčných biotenzidov pre kozmetické aplikácie	Chemický ústav SAV, v.v.i.	3000
APP0588	Alexandra Bombárová	SLEDOVANIE POTENCIÁLNE NEŽIADÚCICH ÚČINKOV NANOČASTÍC ZINKU POUŽÍVANÝCH VO VÝŽIVE PREŽŮVAVCOV	Centrum biovied SAV, v.v.i.	3000

APP0667	Fereshteh kazemiAghdam	Development of Shear-Thinning Alginate/Halloysite Hydrogels Crosslinked via Reversible Covalent Bonds for 3D Bioprinting in Tissue Engineering Applications	Ústav polymérov SAV, v.v.i.	2000
APP0648	Omid Moghaddam	Interactions of proteins with polymer-modified surfaces using atomistic molecular dynamic simulations	Ústav polymérov SAV, v.v.i.	3000
APP0655	Patrik Babulic	Lactoferricin from the mammalian milk as a potential ally in fight against Covid-19	Ústav molekulárnej biológie SAV, v.v.i.	3000
APP0603	Ing. Lívia Pelegrinová	Alu-RNA Conformational Dynamics and Their Impact on ADAR-Mediated RNA Editing	Centrum biovied SAV, v.v.i.	3000
APP0623	Mgr. Viktória Planetová	Optimizing Luminophore-Silicate Interactions for Advanced Hybrid Materials with Enhanced Photoactivity	Ústav anorganickej chémie SAV, v.v.i.	3000
APP0633	Miss Parisa Labib	'Shape Memory Bio-nanocomposite based on Modified-Clay Minerals as Potential Materials for Dual Delivery System'	Ústav anorganickej chémie SAV, v.v.i.	3000
APP0677	shabeen fatima	A toolkit for efficiently characterizing protein-ligand/protein-protein interaction energies using Density functional tight binding (DFTB)	Chemický ústav SAV, v.v.i.	3000
APP0620	Muhammad Umair Khan	Advanced Glycoprofiling of Extracellular Vesicles (EVs) Using Surface Plasmon Resonance (SPR).	Chemický ústav SAV, v.v.i.	3000

APP0572	Vinny George	Multifunctional hydrogel nanocomposite with photoactive surfaces for photodynamic applications.	Ústav anorganickej chémie SAV, v.v.i.	3000
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Subsection - Agricultural and Veterinary Sciences – Total number of applications approved for funding: 3

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0668	Shanza zaib	Soil microbial community changes along an elevational gradient in beech forests of central Slovakia.	Centrum biológie rastlín a biodiverzity SAV, v.v.i.	3000
APP0661	Matúš Búci	From past to present: genomic narratives of brown bear (<i>Ursus arctos</i>) in Slovakia	Ústav ekológie lesa SAV, v.v.i.	3000
APP0676	Ing. Michaela Strmisková	Diverzita húb prenášaných podkôrnym hmyzom (<i>Curculionidae</i> , <i>Scolytinae</i>) na borovici lesnej (<i>Pinus sylvestris</i> L.)	Ústav ekológie lesa SAV, v.v.i.	1500

Section 3 – Social Sciences, Humanities, Arts, and Culture

Total number of received applications: 16

Total number of applications approved for funding: 8**Subsection - Historical Sciences – Total number of applications approved for funding: 3**

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0659	Iveta Štefanovičová	HODNOTOVÉ ORIENTÁCIE, POLITICKÉ ORIENTÁCIE A POSTOJE NEVERIACICH NA SLOVENSKU (ONLINE vs. OFFLINE ETNOGRAFIA)	Ústav etnológie a sociálnej antropológie SAV, v.v.i.	2000
APP0691	Evgenii Farafonov	LIFE TRAJECTORY OF A MODERN ASTROLOGER: A COMPARATIVE STUDY OF A RUSSIAN SPEAKING SAMPLE	Ústav etnológie a sociálnej antropológie SAV, v.v.i.	3000
APP0627	Karolína Králiková	Rozširovanie siete obchodných domov v slovenských okresných mestách v 60.–80. rokoch 20. storočia	Historický ústav SAV, v.v.i.	2000

Subsection - Humanities and Social Sciences – Total number of applications approved for funding: 3

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0693	Matúš Brziak	Employing phenomenological interviews to deepen the understanding of self-regulated learning	Ústav výskumu sociálnej komunikácie SAV, v.v.i.	3000
APP0649	Mgr. Viera Poláková	Home office - vyjednávanie medzi prácou a rodinou	Sociologický ústav SAV, v.v.i.	1500
APP0614	Mgr. Dana Godžáková	Konšpiračné presvedčenia a ich vplyv na medziľudské vzťahy	Centrum spoločenských a psychologických vied SAV, v.v.i.	1500

Subsection - Culture and Arts Sciences – Total number of applications approved for funding: 2

Application No:	Applicant's name	Project title	SAS institute	Funding (Eur)
APP0645	Šimon Čižmár	Irony as an Unconventional Creative Method in the Poetry of Contemporary Slovak Author Michal Habaj	Ústav slovenskej literatúry SAV, v.v.i.	3000
APP0638	Olha Norba	Subversive Strategies in the official Slovak and East German Literature of the 1980s	Ústav slovenskej literatúry SAV, v.v.i.	3000

