

Total number of received applications within call in 2023: 91

Total number of evaluated applications within call in 2023: 88

Total number of applications within call 2023 approved by SAS presidium for funding: 44

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

Total number of received applications: 22

Total number of applications approved for funding: 11

Earth and Space Sciences – approved for funding: 4

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0526	Mgr. Diana Őlveczká	Assessing stratigraphic changes in geochemical composition of microplankton (calpionellids) and in their biomineralization during the Latest Jurassic and Early Cretaceous	Ústav vied o Zemi SAV	2000
APP0461	MSc. Hamid Afzali	Using artificial intelligence for monitoring riparian vegetation	Geografický ústav SAV	2000
APP0525	Mgr. Šimon Opravil	Combining Optical and SAR Satellite Data to Improve the Detection of Grassland Management Events	Geografický ústav SAV	1500
APP0511	Mgr. Lenka Ondrášová	Magnetotelluric modelling of the contact zone between External and Internal Western Carpathians	Ústav vied o Zemi SAV	2000

Mathematical and Physical Sciences – approved for funding: 3

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0482	Mgr. Soham Sau	Sequential decomposition and implementation of complex quantum measurements	Fyzikálny ústav SAV	2000
APP0515	Mgr. Friday Ikechukwu Agu	The Truncated Schrödinger Recursive Formula Algorithm for Computation of Aggregate Claim Amount	Matematický ústav SAV	2000
APP0492	Mgr. Daniel Truchan	Vplyv povrchových modifikácií na vlastnosti a bunkové interakcie fototermálnych nanočastíc MoOx	Fyzikálny ústav SAV	2000

Engineering Sciences – approved for funding: 4

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0473	Michal Bennár	Study of the Influence Induced by Organic-Based Spin Filters Applied on Perovskites.	Elektrotechnický ústav SAV	2000
APP0498	Mgr. Dáša Drenčaková	Štúdium alternatívnych syntéz nanočastíc striebra – prekursora mechanochemickej syntézy CuAgSe - polovodiča pre konverziu energie	Ústav geotechniky SAV	2000
APP0519	Mgr. Michal Pecz	ALTS - Atomic Layer Testing Substrate	Elektrotechnický ústav SAV	2000
APP0459	Ing. Peter Czirák	Štúdium vlastností nízko-emisných samozhutniteľných betónov s náhradami cementárskeho slinku s využitím recyklovaného plniva.	Ústav stavebníctva a architektúry SAV	2000

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

Total number of received applications: 49

Total number of applications approved for funding: 24

Medical Sciences – approved for funding:9

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0489	Mgr. Stefana Njemoga	Characterization of the epitope tau recognized by Alzheimer's disease-specific antibody DC11	Neuroimunologický ústav SAV	2000
APP0485	Mgr. Marek Sklenár	Screening for the recently identified SLC26A4-related CEVA haplotype in patients with hearing loss and enlarged vestibular aqueduct and/or Pendred syndrome and functional characterization of novel variants in the SLC26A4 gene	Biomedicínske centrum SAV	2000
APP0490	Mgr. Jozef Džubara	Using an electron microscope to observe the skin cells' mutual interaction and ultrastructural changes after TBEV infection.	Biomedicínske centrum SAV	2000
APP0497	Mgr. Mária Urbanová	Enhancing Drug Testing Reliability Through In Vitro Modeling of the Pancreatic Cancer Tumor	Biomedicínske centrum SAV	2000

		Microenvironment		
APP0542	Mgr. Andrej Bitala	Development of a complex in vitro biological evaluation test of newly synthesized antiviral agents against SARS-CoV-2.	Biomedicínske centrum SAV	2000
APP0475	Mgr. Andrej Durgala	Mesenchymal stem cell therapy for the treatment of traumatic brain injury	Neuroimunologický ústav SAV	2000
APP0483	Muhammad khalid Muhammadi	How Alzheimer's Tau Pathology Causes Mitochondrial Dysfunction?	Neuroimunologický ústav SAV	2000
APP0447	Mgr. Nikoleta Mojzesová	Mechanizmy epigenetickej regulácie aldehyddehydrogenázy pomocou EGCG u kolorektálneho karcinómu	Biomedicínske centrum SAV	2000
APP0509	Mgr. Ingrid Lojová	The role of tandem repeats in the genetic determination of ulcerative colitis	Biomedicínske centrum SAV	2000

Biological and Chemical Sciences – approved for funding:13

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0496	MVDr. Klára Mikulová	Vplyv obohatenia pastvy čakankou obyčajnou ( <i>Cichorium intybus</i> L.) na bachorovú mikrobiálnu fermentáciu a imunitné reakcie jahniat s endoparazitózou	Centrum biovied SAV	2000
APP0535	Laura Rušinová	Expresia acetylcholínových receptorov u myšacích preimplantačných embryí	Centrum biovied SAV	2000
APP0506	Mgr. Ivana Ďurišová	Vplyv kyseliny valproovej na imunitnú reakciu bunky	Centrum biovied SAV	2000
APP0510	Silvia Žarnovičanová	Mechanism of asymmetric cell division in model organism <i>Bacillus subtilis</i>	Ústav molekulárnej biológie SAV	2000
APP0541	Inga Zhukova	Theoretical predictions and synthesis of (Ti-Zr-Hf-Nb-Ta) <sub>B2</sub> structures with non-equimolar compositions	Ústav anorganickej chémie SAV	2000
APP0532	Rebecca Radič (Geröfiová)	Manipulácia neurogenézy a jej vplyv na spev pestúanky japonskej	Centrum biovied SAV	2000
APP0534	Ing. Alžbeta Idunková	Úloha mirtazapínu pri modulácii neurozápalových zmien v potomstve modelu materskej depresie	Centrum biovied SAV	2000
APP0450	Mgr. Adam Poláček	In silico analýza $\alpha$ -amylázovej rodiny GH57 zameraná na identifikáciu nových skupín hypotetických proteínov s nekompletnou katalytickou mašinériou	Ústav molekulárnej biológie SAV	2000

APP0464	MVDr. Natália Zábolyová	Využitie postbiotík - enterocínov na redukciu meticilín-rezistentných stafylokokov animálneho pôvodu	Centrum biovied SAV	2000
APP0487	Ing. Veronika Vráblová	Inovatívna diagnostika rakoviny prostaty pomocou exozómov	Chemický ústav SAV	2000
APP0552	MSc Christyowati Primi Sagita	Polymerization of Renewable Monomer Tulipalin A with Oxygen-Tolerant Photo-ATRP in a Simple Flow Reactor for Biomaterial Applications	Ústav polymérov SAV	2000
APP0521	Mgr. Daniela Krajčiová	Engineering of oleaginous yeast Rhodotorula toruloides as an efficient cell factory for punicic acid production	Centrum biovied SAV	2000
APP0520	MSc. Sambit Kumar Lenka	Synthesis of polymers from itaconic acid and diamines as renewable comonomers for potential application as bio-adhesive	Ústav polymérov SAV	2000

Agricultural and Veterinary Sciences – approved for funding: 2

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0553	Rohan Arjun Kale	Discovery of novel hydrolytic enzymes in carnivorous plants	Centrum biológie rastlín a biodiverzity SAV	2000
APP0452	Mgr. Anna Marková	Pohľad do genómu háčikohlavcov: vyhľadávanie nových cytogenetických markerov	Parazitologický ústav SAV	1000



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

Total number of received applications:20

Total number of applications approved for funding: 9

Historical Sciences – approved for funding:4

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0503	Mgr. Lucia Popovičová	Absolútne datovanie paleolitického sídliska Kašov I	Archeologický ústav SAV	1000
APP0530	Mgr. Jarosław Wójcik	Militária a taktika boja v dobe popolnicových polí na severe Karpatskej kotliny.	Archeologický ústav SAV	2000
APP0455	Mgr. Bahdan Serdziuk	MARIAN DEVOTION IN POST-COMMUNIST BELARUS: LIVED RELIGION AND THE OFFICIAL CHURCH	Ústav etnológie a sociálnej antropológie SAV	2000
APP0467	Mgr. Anastasiia Luzhanytsia	Nacionálny diskurz v komunistickom hnutí na Podkarpatskej Rusi v 20. rokoch 20. storočia.	Historický ústav SAV	2000

Humanities and Social Sciences – approved for funding:4

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0454	Adamu Braimah Abille	Capital flight and government debt sustainability in Africa	Ekonomický ústav SAV	2000
APP0546	Dominik Kulcsár	Vzájomná pomoc v čase krízy: Systematická komparácia problému solidarity v mysleniach Alberta Camusa a Petra Kropotkina	Filozofický ústav SAV	2000
APP0448	Mgr. Samar Issmailová	The Lived Experiences of Resilience among Syrian Refugees Residing in Germany, Turkey, and Czechia: A Qualitative Comparative Study	Centrum spoločenských a psychologických vied SAV	2000
APP0449	Mgr. Beáta Sobotová	Interventions to reduce psychological barriers of pro-environmental behavior	Centrum spoločenských a psychologických vied SAV	1000

Culture and Arts Sciences - approved for funding: 1

Application No:	Applicant's name	Project title	SAS institute	Funding for 2024 (Eur)
APP0466	Mgr. Barbora Zlejšia	The Unknown Lyrical Prose of Štefan Krčméry	Ústav slovenskej literatúry SAV	2000

List of applications not funded exclusively due to financial budget limits, recommended by the programme Evaluation Committee and approved by the SAS Presidium for awarding a quality certificate

Total number of applications approved by the SAS presidium for awarding the quality certificate: 7

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

Total number of applications approved for awarding a quality certificate: 3

Earth and Space Sciences – approved for awarding a quality certificate: 1

Application No:	Applicant's name	Project title	SAS institute
APP0554	Jozef Bódi	Application of the Growth Inversion Approach to Selected Problems of Volcano Gravimetry: New Insights	Ústav vied o Zemi SAV

Mathematical and Physical Sciences – approved for awarding a quality certificate: 1

Application No:	Applicant's name	Project title	SAS institute
APP0445	Mgr. Viktória Fedorová	Hybrid DNA-protein conjugates for nanoassembly applications	Ústav experimentálnej fyziky SAV

Engineering Sciences – approved for awarding a quality certificate: 1

Application No:	Applicant's name	Project title	SAS institute
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APP0460	MSc. Arif Hussain	Numerical modeling for Electro-Magnetic and Electro-Thermal Analysis of High-Temperature-Superconductor (HTS) Motors for Aviation.	Elektrotechnický ústav SAV
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Section 2 – Life, Chemical, Medical, and Environmental Sciences

Total number of applications approved for awarding a quality certificate: 2

Medical Sciences – approved for awarding a quality certificate: 1

Application No:	Applicant's name	Project title	SAS institute
APP0512	Mgr. Jakub Strapec	Preskúmanie účinku kvercetínu na ischemicko-reperfúzne poškodenie v srdciach spontánne hypertenzných a starnúcich Wistar potkanov	Centrum experimentálnej medicíny SAV

Biological and Chemical Sciences – approved for awarding a quality certificate: 0

Agricultural and Veterinary Sciences – approved for awarding a quality certificate: 1

Application No:	Applicant's name	Project title	SAS institute
APP0545	Shanza zaib	Soil microbial community changes along an elevational gradient in beech forests of central Slovakia.	Centrum biológie rastlín a biodiverzity SAV

Section 3 – Social Sciences, Humanities, Arts, and Culture: 2  
Historical Sciences – approved for awarding a quality certificate: 2

Application No:	Applicant's name	Project title	SAS institute
APP0504	Mgr. Natália Slivková	Sociálne náklady a benefity odmietania povinnej vakcinácie detí so zreteľom na sociálne reprezentácie o konšpiračných teoretikoch	Ústav etnológie a sociálnej antropológie SAV
APP0544	Katarína Baračková	Biokultúrne dedičstvo v praxi v regióne Poloniny	Ústav etnológie a sociálnej antropológie SAV

Humanities and Social Sciences – approved for awarding a quality certificate: 0

Culture and Arts Sciences - approved for awarding a quality certificate: 0