

**SAS Grants for PhD students_Call in 2021_ List of applications recommended by the programme Evaluation Committee and approved by the SAS
Presidium for funding (sorted by subsections of SAS Scientific sections)**

Total number of received applications within call in 2021: 71

Total number of evaluated applications within call in 2021: 70

Total number of applications within call 2021 approved by SAS presidium for funding: 36

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

Total number of received applications: 15

Total number of evaluated applications: 15

Total number of applications approved for funding: 8

Earth and Space Sciences – approved for funding: 2

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0279	Dosah pandémie COVID-19 na urbánne a rurálne maloobchodné prostredie na Slovensku	Institute of Geography	Mgr. Katarína Čuláková	1 400
APP0313	3D integrated geophysical model of the Tatra Mountains and their surroundings	Earth Science Institute of the SAS	Mgr. Dominika Godová	2 000

Mathematical and Physical Sciences – approved for funding: 2

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0292	Určenie parametra fázovej tuhosti v supravodičoch	Institute of Experimental Physics	Ing. Marek Kuzmiak	2 000
APP0293	Štúdium pôsobenia hybridných molekúl na amyloidnú agregáciu globulárnych a prirodzene rozbalených proteínov.	Institute of Experimental Physics	Mgr. Barbora Spodniaková	2 000

Engineering Sciences – approved for funding: 4

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0330	Mechanochemická príprava stabilnej nanosuspenzie CuS nanočastíc v roztoku kazeínu za využitia Taguchiho metódy	Institute of Geotechnics SAS	Mgr. Martin Stahorský	2 000
APP0323	Two-Step Inverse Solution in Electrocardiography using a Single Dipole Model of the Cardiac Electric Generator	Institute of Measurement Science	Beáta Ondrušová	2 000
APP0282	Optimisation of growth parameters for MoTe ₂ thin	Institute of Electrical	Mgr. Tatiana	2 000

	films	Engineering SAS	Vojteková	
APP0265	Vysokoentropické zliatiny určené na efektívne uskladnenie vodíka	Institute of Materials Research	Ing. Dagmara Varcholová	2 000

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

Total number of received applications: 44

Total number of evaluated applications: 44

Total number of applications approved for funding: 22

Medical Sciences – approved for funding: 9

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0318	Objasnenie súvislostí medzi metabolickými preferenciami testikulárných nádorových buniek a ich citlivosťou na cisplatinu	Biomedical Research Center SAS	Mgr. Eva Kocianová	2 000
APP0328	The effect of Shank3-deficiency on the density of glutamatergic and GABAergic synapses	Biomedical Research Center SAS	Mgr. Denisa Mihalj	2 000

APP0304	Identifikácia genetických determinantov bežnej variabilnej imunodeficiencie	Biomedical Research Center SAS	Mgr. Veronika Medová	2 000
APP0311	Is senescence involved in the progression of neurodegenerative diseases? Quantification of senescence markers during different stages of Parkinson's disease in mice.	Institute of Neuroimmunology	Mgr. Kristína Macová	2 000
APP0312	Validácia nových tau interakčných partnerov pomocou dvojhybridných systémov za účelom vývoja nových potenciálnych terapeutických prístupov alebo diagnostických testov pre Alzheimerovu chorobu	Institute of Neuroimmunology	Mgr. Karoline Pichlerová	2 000
APP0327	Modelling tumor microenvironment in experimental model of breast cancer organoids	Biomedical Research Center SAS	Mgr. Lenka Trnková	2 000
APP0316	Stanovenie biologickej bezpečnosti inovatívnych nanokompozitov s potenciálnym využitím v	Biomedical Research Center SAS	Mgr. Lucia Bálintová	2 000

	regeneratívnej medicíne			
APP0251	Neurobehaviorálne, neurochemické a imunohistochemické vlastnosti nového potenciálneho antidepresíva s trojitou inhibíciou spätného vychytávania serotonínu, noradrenalínu a dopamínu.	Centre of Experimental Medicine SAS	Mgr. Alexandra Ballóová	2 000
APP0290	Proteomická analýza interaktómu CA IX v reakcii na zmenu podmienok nádorového mikroprostredia a vplyv liečiv	Biomedical Research Center SAS	Ing. Barbora Puzderová	2 000

Biological and Chemical Sciences – approved for funding: 9

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0260	Inhibícia de novo syntézy pyrimidínov ako potenciálny spôsob liečby akútnej myeloidnej leukémie s rezistenciou voči hypometylačným látkam	Centre of Biosciences SAS	Ing. Kristína Šimoničová	2 000

APP0307	Využitie aptamérov v základnej diagnostike AML - vývoj a validácia	Centre of Biosciences SAS	Ing. Michaela Domšicová	2 000
APP0295	Využitie modelu Ussing chamber na sledovanie absorpcie stopových prvkov v rôznych úsekoch tenkého čreva monogastričných zvierat.	Centre of Biosciences SAS	Ing. Katarína Tokačíková	2 000
APP0273	Štúdium interakcií glykozyltransferáz a ich potenciálnych inhibítorov	Institute of Chemistry	Ing. Filip Pančík	2 000
APP0324	The lytic potential of the bacteriophage BFK20 multifunctional tail protein gp15	Institute of Molecular Biology	Mgr. Kristína Papayová	1 900
APP0326	The role of homologous recombination in chromatin structure	Centre of Biosciences SAS	Mgr. Alexandra Piteľová	2 000
APP0331	Photoactive Surfaces of Polymer Nanocomposites with Antimicrobial Properties	Institute of Inorganic Chemistry	Eva Skoura	2 000
APP0253	Mundticínové substancie a ich antimikrobiálny potenciál	Centre of Biosciences SAS	Mgr. Valentína Focková	2 000

APP0321	Characterization of CRAL-TRIO containing phospholipid transfer protein in <i>Plasmodium falciparum</i> .	Centre of Biosciences SAS	Dominik Stastny, MSc.	2 000
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Agricultural and Veterinary Sciences – approved for funding: 4

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0272	The effect of chronic ionizing radiation on protein carbonylation in <i>Phragmites australis</i>	Plant Science and Biodiversity Center	Shubhi Mishra	2 000
APP0271	Vplyv štvrtohorných klimatických zmien a introgresie na diverzitu rastlín na Balkáne: poznatky na základe fylogeografického výskumu vysokohorského druhu <i>Cardamine acris</i>	Plant Science and Biodiversity Center	Mgr. Adam Kantor	2 000
APP0267	Is a rare case of whole-genome duplication in the predominantly diploid genus <i>Daphne</i> L. associated with ecological niche shifts?	Plant Science and Biodiversity Center	Mgr. Zuzana Gajdošová	2 000

APP0306	Physiological response of Norway spruce seedlings to changing natural environment (drought and heat stress)	Institute of Forest Ecology	Ing. Hana Húdoková	2 000
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3. Section 3 – Social Sciences, Humanities, Arts, and Culture

Total number of received applications: 12

Total number of evaluated applications: 11 (The applicant began her PhD studies on September 1, 2021, only after the deadline for the program call)

Total number of applications approved for funding: 6

Historical Sciences – approved for funding: 1

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)
APP0291	Vplyv elokovaných pracovísk stredných odborných škôl na sociálne začleňovanie, zamestnanosť a sociálnu mobilitu Rómov	Institute of Ethnology and Social Anthropology	Mgr. Edita Rigová	1 994

Humanities and Social Sciences – approved for funding: 5

Application No:	Project title	SAS institute	Applicant's name	Funding for 2022 (Eur)

APP0277	STIGMATIZÁCIA ROVESNÍKOV: MEDZISKUPINOVÉ POSTOJE A PROSOCIÁLNE SPRÁVANIE V ŠKOLSKOM KONTEXTE	Institute for Research in Social Communication SAS	Mgr. Henrieta Ševčíková	2 000
APP0322	Kto rozhoduje o migrácii? Rodina ako determinant pracovnej migrácie Rómov	Centre of Social and Psychological Sciences SAS	Mgr. Nikoleta Slavíková	2 000
APP0329	Logické intuície, ich prediktory a vzťah s pseudovedeckými a konšpiračnými presvedčeniami	Centre of Social and Psychological Sciences SAS	Mgr. Roman Burič	2 000
APP0325	Why do Slovak educated Roma migrate for work – brain drain from Romani perspective	Centre of Social and Psychological Sciences SAS	Ing. Martin Mlynár	2 000
APP0298	Umenie ako udalosť u Martina Heideggera a Clauda Romana	Institute of Philosophy SAS	Mgr. Marcel Šedo	2 000