

**SAS Grants for PhD students\_Call in 2020\_ 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 2020:** 96

**Total number of evaluated applications within call in 2020:** 95

**Total number of applications within call 2020 approved by SAS presidium for funding:** 30

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

Total number of received applications: 20

Total number of evaluated applications: 18 (2 applications not eligible)

Total number of applications approved for funding: 6

## **Earth and Space Sciences – approved for funding: 1 application**

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0187	RNDr. Jakub Mészáros	Stanovenie extrémnych špecifických odtokov	Institute of Hydrology	A	2.000,-

## **Mathematical and Physical Sciences – approved for funding: 2 applications**

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0140	Mgr. Maksym Karpets	Impact of magnetic and electric field on structure of magnetic fluids	Institute of Experimental Physics	A	2.000,-
APP0164	Mgr. Ivana Garčárová	Štúdium anti-oxidačnej a zosilnenej anti-amyloidnej aktivity nanočastíc céru pre biomedicínske aplikácie	Institute of Experimental Physics	A	2.000,-

## **Engineering Sciences – approved for funding: 3 applications**

*\*category A - funded 2000 Eur, category B - funded 1000 Eur, category C – not funded*

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0141	Mgr. Viktoriia Kyshkarova	SiO <sub>2</sub> /polymer hybrid composites for complex purification of industrial water	Institute of Geotechnics SAS	A	2.000,-
APP0180	Mgr. Katarína Gáborová	Štúdium možností mechanochemickej syntézy selenidu striebra - polovodiča pre uskladňovanie energie	Institute of Geotechnics SAS	A	2.000,-
APP0234	Mgr. Fridrich Egyenes-Pörsök	Systematic investigation of Ohmic contacts for devices based on rhombohedral gallium oxide ( $\alpha$ -Ga <sub>2</sub> O <sub>3</sub> )	Institute of Electrical Engineering SAS	A	2.000,-

## 2. Section 2 – Life, Chemical, Medical, and Environmental Sciences:

Total number of received applications: 64

Total number of evaluated applications: 64

Total number of applications approved for funding: 20

### Medical Sciences – approved for funding: 8

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0220	Mgr. Nikoleta Babindáková	Peripheral non-coding RNAs as markers of neurodegeneration in Alzheimer's disease	Institute of Neuroimmunology	A	2.000,-

\*category A - funded 2000 Eur, category B - funded 1000 Eur, category C – not funded

APP0138	Mgr. Sabína Strapcová	The role of CA IX in adaptation to acidosis within the tumor microenvironment	Biomedical Research Center SAS	A	2.000,-
APP0174	Mgr. Zuzana Dzurjašková	Kvantitatívna analýza regenerácie axónov po poranení periférneho nervu.	Biomedical Research Center SAS	A	2.000,-
APP0239	Mgr. Stanislava Bukatová	Vplyv neonatálneho podania oxytocínu na neurotrofín BDNF v hipokampe potkana	Biomedical Research Center SAS	A	2.000,-
APP0182	Mgr. Tomáš Selický	Characterization of conditional ATP analog-sensitive Pat1 protein kinase mutants created by CRISPR/Cas9 gene editing	Biomedical Research Center SAS	A	2.000,-
APP0205	M.S.c. Pooneh Chokhachi Bardaran	Exploration of Exosomal RNA as a Novel Non-Invasive Prognostic Biomarker in the Plasma of Uveal Melanoma Patients	Biomedical Research Center SAS	A	2.000,-
APP0135	Mgr. Veronika Kubašová	Vplyv metformínu a karnozínu na nádorové mikroprostredie a progresiu kolorektálnych nádorových buniek	Biomedical Research Center SAS	A	2.000,-
APP0219	Mgr. Katarína Mátyášová	Signaling pathways of sub-concussive head impacts and traumatic brain injury in professional football players	Institute of Neuroimmunology	A	2.000,-

**Biological and Chemical Sciences – approved for funding: 9**

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0194	Mgr. Mohammad Hossein Sharifian	Photo-responsive biomaterials for targeted drug delivery based on the host-guest complexation	Polymer Institute	A	2.000,-
APP0201	Ing. Martin Kalník	Syntéza biologicky aktivných analógov swainsonínu	Institute of Chemistry	A	2.000,-

\*category A - funded 2000 Eur, category B - funded 1000 Eur, category C – not funded

APP0170	Mgr. Paulína Káňovičová	Potenciálne využitie stabilizátorov nálady na obnovenie mitochondriálnej funkcie	Centre of Biosciences SAS	A	2.000,-
APP0242	Mgr. Barbora Kundeková	Fotodynamická terapia nádorových buniek karcinómu krčka maternice na modeli chorioalantoickej membrány morčacieho embrya	Centre of Biosciences SAS	A	2.000,-
APP0213	Mgr. Lívia Petrisková	External sterol utilization protects yeast membranes under hypoxic stress	Centre of Biosciences SAS	A	2.000,-
APP0156	MSc. Ramu Ambati	Corrosion of Superalloys in Energy Application	Institute of Inorganic Chemistry	A	2.000,-
APP0162	Ing. Daniel Petrič	Vplyv vičenca vikolistého ( <i>Onobrychis viciifolia</i> ) na bachorovú fermentáciu, protozoálnu populáciu a hematologický profil u jahniat s hemonchózou	Centre of Biosciences SAS	A	2.000,-
APP0171	Mgr. Alexandra Piteľová	The fission yeast Dbl2 protein and its role in chromatin architecture	Centre of Biosciences SAS	A	2.000,-
APP0227	Mgr. Matej Medla	Charakterizácia receptorov pre malý neuropeptid F (sNPF) u kliešťa <i>Ixodes ricinus</i> .	Institute of Zoology	A	2.000,-

**Agricultural and Veterinary Sciences – approved for funding: 3**

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0168	Mgr. Zuzana Šíbllová	Vážky (Odonata) ako bioindikátory kvality ekologických podmienok mokradňových ekosystémov.	Institute of Landscape Ecology	A	2.000,-
APP0198	Msc Vidya Chirappurathu Sukumaran Nair	Do antimony and silicon share same uptake pathway in plants?	Plant Science and Biodiversity Center	A	2.000,-
APP0148	Mgr. Romana Ružinská	Fyziologické parametre sociálnych skupín stromových netopierov asociované so swarmovacím správaním	Institute of Forest Ecology	A	2.000,-

\*cathegory A - funded 2000 Eur, cathegory B - funded 1000 Eur, cathegory C – not funded

### 3. Section 3 – Social Sciences, Humanities, Arts, and Culture:

Total number of received applications: 12

Total number of evaluated applications: 13 (1 application edited by mistake after submitting accepted)

Total number of applications approved for funding: 4

**Historical Sciences – approved for funding: 0**

**Humanities and Social Sciences – approved for funding: 4**

Applicati on No:	Applicant's name	Project title	SAS institute	Cathegory*	Funding for 2021 (Eur)
APP0184	Mgr., Ing. Peter Teličák	Skúmanie osobnostných a sociálnych zdrojov epistemicky nepodložených presvedčení	Centre of Social and Psychological Sciences SAS	A	2.000,-
APP0237	Mgr. Dóra Belán	Rómovia, slovenskí Maďari a imigranti očami majority: rola vnímanej medziskupinovej hrozby	Institute for Research in Social Communication SAS	A	2.000,-
APP0175	Mgr. Jana Papcúnová	Hate speech: výskum nenávistných prejavov (voči migrantom) na internete.	Centre of Social and Psychological Sciences SAS	A	2.000,-
APP0207	Mgr. Ľubomír Šotník	Flexibilita pracovných kariér zamestnancov ohrozených automatizáciou	Institute for Sociology	A	2.000,-

**Arts and culture – approved for funding: 0 applications**

*\*category A - funded 2000 Eur, category B - funded 1000 Eur, category C – not funded*