

SAS Grants for PhD students\_Call in 2020\_ 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 (sorted by subsections of SAS Scientific sections)

**Total number of applications approved by the SAS presidium for awarding the quality certificate: 18**

**1. Section 1 – Physical, Space, Earth, and Engineering Sciences : 4 applications**

**Earth and Space Sciences: 0 applications**

**Mathematical and Physical Sciences: 2 applications**

<b>Application No:</b>	<b>Applicant´s name</b>	<b>Project title</b>	<b>SAS Institute</b>	<b>Category*</b>
APP0160	Ing.Marek Kuzmiak	Určenie parametra fázovej tuhosti v supravodičoch	Institute of experimental physics	C
APP0203	Mgr. Barbora Spodniaková	Identifikácia inhibítorov amyloidnej agregácie proteínov s využitím molekulovej hybridizácie.	Institute of experimental physics	C

**Engineering Sciences: 2 applications**

<b>Application No:</b>	<b>Applicant´s name</b>	<b>Project title</b>	<b>SAS Institute</b>	<b>Category*</b>
APP0130	Ing. Arun Gopinathan	Development of composite panels with aluminium foam skeleton impregnated with PCM for heat storage	Institute of Materials and Machine Mechanics	C
APP0136	Ing. Dagmar Varcholová	Výskum a vývoj nových kovových materiálov určených na efektívne uskladnenie vodíka	Institute of material research	C

**2. Section 2 – Life, Chemical, Medical, and Environmental Sciences: 11 applications**

**Medical Sciences: 7 applications**

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

<b>Application No:</b>	<b>Applicant's name</b>	<b>Project title</b>	<b>SAS Institute</b>	<b>Category*</b>
APP0199	Mgr. Veronika Medová	Identifikácia genetických determinantov bežnej variabilnej imunodeficiencie	Biomedical Research Center SAS	C
APP0193	Mgr. Katarína Bérešová	Identifikácia preleukemických kmeňových buniek vo vzorkách pupočníkovej a periférnej krvi pediatrických pacientov s akútnou lymfoblastovou leukémiou	Biomedical Research Center SAS	C
APP0243	Mgr. Andrea Holíčková	Asociácia instability genómu bunkových línií uroteliálneho karcinómu s rezistenciou na cisplatinu	Biomedical Research Center SAS	C
APP0139	Ing. Barbora Puzderová	Zloženie parciálneho interaktómu CA IX v kolorektálnych bunkách rezistentných na 5 – fluorouracil a adaptovaných na betablokátor propranolol.	Biomedical Research Center SAS	C
APP0166	Mgr. Simona Lenhartová	Determination of molecular interaction between viral glycoprotein UL144 (Human vs. Rhesus CMV) and human cell receptor CD160"	Biomedical Research Center SAS	C
APP0153	M.S. Bogdan Iaparov	Building a mathematical model of calcium sparks generated by cardiac dyads	Biomedical Research Center SAS	C
APP0226	MSc. Ezgi Dayar	Effects of Simvastatin-Loaded Nanoparticles and Lonicera Leiophylla on Lipid Profile and ROS/NO Balance in Obese Zucker Rats	Centre of Experimental Medicine SAS	C

**Biological and Chemical Sciences: 2 applications**

<b>Application No:</b>	<b>Applicant's name</b>	<b>Project title</b>	<b>SAS Institute</b>	<b>Category*</b>
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APP0147	Ing. Anna Blšáková	Vývoj citlivých diagnostických metód na včasnú detekciu rakovinových ochorení;	Institute of chemistry	C
APP0208	Ing. Renáta Rusková	Computer simulations of DNA and chromatin – chiral DNA knots in confinement	Polymer institute	C

**Agricultural and Veterinary Sciences: 2 applications**

<b>Application No:</b>	<b>Applicant's name</b>	<b>Project title</b>	<b>SAS Institute</b>	<b>Category*</b>
APP0163	Mgr. Ajay Kumar	Expression analysis of Arabidopsis SYNAPTOTAGMIN 4 and 5 genes	Plant Science and Biodiversity Center	C
APP0150	Mgr. Alina -Sorina Biro	The role of traditional grassland management in plant diversity conservation in the Romanian Carpathian Mts	The role of traditional grassland management in plant diversity conservation in the Romanian Carpathian Mts	C

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

**Historical Sciences: 0 applications**

**Humanities and Social Sciences: 3 applications**

<b>Application No:</b>	<b>Applicant's name</b>	<b>Project title</b>	<b>SAS Institute</b>	<b>Category*</b>
APP0232	Mgr. Michal Valach	Idea kauzality v explanácii intencionálneho konania	Institute of philosophy SAS	C
APP0188	Mgr. Denisa Marcinechová	Význam komunikácie s pacientom v kontexte kľúčových netechnických zručností pracovníkov záchranej zdravotnej služby	Centre of Social and psychological Sciences	C

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

APP0229	Mgr. Denisa Hnatkovičová	Identifikácia motívov a kontextov pôsobiacich pri vstupe do polyamorie	Institute for Research in Social Communication SAS	C
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**Arts and culture: 0 applications**

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