



ANNUAL REPORT 2017

UNIVERSITAS CASSOVIENSIS AB ANNO 1657

PAVOL JOZEF ŠAFÁRIK UNIVERSITY IN KOŠICE



TOP MANAGEMENT

PAVOL JOZEF ŠAFÁRIK UNIVERSITY (UPJŠ) IN KOŠICE MISSION

Pavol Jozef Šafárik University in Košice ranks among important and recognized educational and scientific institutions not just in the Slovak Republic but also in advanced Europe. At present, the University consists of the Faculties of Medicine, Science, Law, Public Administration, and the Faculty of Arts that educate physicians, experts in natural sciences, mathematics and information science, teachers, legal professionals, public administration specialists, psychologists, social workers, political scientists, historians, translators and interpreters, experts in the English language and linguistics, literary scholarship and cultures of the English speaking countries, gender studies, specialists in philosophy, applied ethics, mass media studies, teachers of Slovak, English, Latin languages and literatures, psychology in double-major study programmes. Graduates from this second oldest classical Slovak university have a good reputation both in this country and abroad.

RECTOR:

Prof. RNDr. Pavol Sovák, CSc.
Term of office: 22/08/2015 – 21/08/2019

VICE RECTORS:

Vice-Rector for Science and PhD Studies
Prof. RNDr. Peter Fedoročko, CSc.

Vice-Rector for Legislation
Prof. h. c. Assoc. Prof. JUDr. Mária Bujňáková, CSc.

Vice-Rector for Development and European Affairs
Prof. MUDr. Pavol Jarčuška, PhD.

Vice-Rector for the Development of Public Relations
Prof. PhDr. Ján Gbúr, CSc.

Vice-Rector for Foreign Relations and Mobility
Assoc. Prof. Ing. Silvia Ručinská, PhD.

Vice-Rector for Higher Education
Prof. Ing. Mária Mareková, CSc.

**Rector's Advisor for the Field of Further Education,
e-Learning and Development of AiS2**
Assoc. Prof. RNDr. Dušan Šveda, CSc.

**Advisor to the Rector for the Establishment
of the UPJŠ Research Institute and the Implementation
of the Medipark Project**
MVDr. Ján Rosocha, CSc.

BURSAR:

RNDr. Ing. Michal Tkáč, PhD.

President of the UPJŠ Academic Senate in Košice
Assoc. Prof. RNDr. Roman Soták, PhD.

FACULTIES

Faculty of Medicine

Prof. MUDr. Daniel Pella, PhD., Dean

Faculty of Science

Assoc. Prof. RNDr. Gabriel Semanišin, PhD., Dean

Faculty of Law

Assoc. Prof. JUDr. Gabriela Dobrovičová, CSc., Dean

Faculty of Public Administration

Assoc. Prof. JUDr. Mária Hencovská, CSc., Dean

Faculty of Arts

Prof. PhDr. Oľga Orosová, CSc., Dean

UNIVERSITY UNITS

Research and teaching workplaces

- Institute of Physical Education and Sport
- Botanical Garden

Information workplaces

- University Library
- Centre of Information and Communication Technologies

Special-purpose establishments:

- Student dormitories and canteens
- Teaching and training facility in Danišovce
- Teaching and training facility in Opátka
- Folklore Ensemble Hornád
- Chorus Universitatis Šafarikianae – the University Choir
- University Counselling Centre
- Centre of Lifelong Education and Project Support

Technological and Innovation Park



OVERVIEW OF THE MOST IMPORTANT FACTS AND ACTIVITIES OF THE UNIVERSITY SCOPE

28/03/2017 – Granting of the Memorial Medal to Professor Michal Besterčí on the occasion of his life anniversary for a significant contribution to the development of research into progressive materials and technologies and for the contribution to the development of scientific cooperation between the Department of Material Research of the Slovak Academy of Sciences in Košice and UPJŠ in Košice. The UPJŠ Rector handed over the Memorial Medal to the honouree during the “Progressive Materials and Technologies” venture agenda.

29/03/2017 – Reception of the Ambassador of France to UPJŠ. The UPJŠ Rector received Mr. Christophe Léonzi, Ambassador of the French Republic to Slovakia, accompanied by David Mortreux, Honorary Consul of France in Košice and Mr François-Xavier MORTREUIL, Attaché for University and Scientific Co-operation. During the conversation, they highlighted the existing very good mutual relations and expressed their respective interest in

advancing them, especially in the field of education.

25/04/2017 – Career Day at UPJŠ in Košice. At the job fair, representatives of selected employers introduced themselves who presented their companies, vacancies, internships, or various programmes for students of this University. The venture was organized by the UNIPOC University Counselling Centre, which, in addition to career counselling, offers psychological, social, and legal advice to students of the University free of charge.

09 – 12/05/2017 – 4th International School of XFEL and Synchrotron Radiation Users - SFEL2017 (School of XFEL and Synchrotron Radiation Users 2017). The venture was organized by UPJŠ in cooperation with the Ministry of Education, Science, Research, and Sport of the Slovak Republic, the European XFEL, GmbH in Hamburg, and the National Centre for Popularization of Science and Technology in Society at the CVTI SR, attended by more

than 80 participants. The venture was attended by students, PhD students, and young scientists from UPJŠ in Košice, Technical University of Košice, Comenius University in Bratislava, Slovak Technical University in Bratislava. The Slovak Academy of Sciences was also represented by a high number of its PhD students and young scientists.

19/05/2017 – Reception of the Ambassador of the Federal Republic of Germany to the Slovak Republic at the UPJŠ. The UPJŠ Rector received the Ambassador Joachim Bleicker, accompanied by Prof. Dr. Juraj Banský, the Honorary Consul of the Federal Republic of Germany in Košice. In their conversation, they highlighted the existing very good mutual relations and expressed their mutual interest in advancing the existing institutional cooperation, especially in the field of higher education.

20/06/2017 – Meeting of the UPJŠ academic community. Assoc. Prof. RNDr. Roman Soták, PhD., President of the UPJŠ Academic Senate, submitted a report on the activities of the UPJŠ Academic Senate in the year 2016 and Prof. RNDr. Pavol Sovák, CSc., the UPJŠ Rector, presented a report on the current state and development of the University. The Rector informed the attendants on current priorities in the field of education, science, investment, and University management, and he also presented a project for the establishment of the Technology and Innovation Park (TIP-UPJŠ).



18/09/2017 – The ceremonial opening of the academic year 2017/2018, which included the introduction of new professors, doctors of science, associate professors, and new holders of the IIA scientific qualification. At the same time, the UPJŠ in Košice Rector awarded the Rector's Award for the significant contribution of teachers and scientists at the University in the field of Science and Research. For the first time, the Rector's Award was awarded for the significant contribution of PhD students to scientific research activities, and for the first time the Rector's Award was awarded for a major media act to individuals and collectives for the positive promotion of the University in the Mass Media. The accompanying ventures included the opening of two exhibitions in the Botanical Garden of UPJŠ in Košice - one on Penguins in the Extended Reality and Antarctica 2017, an exhibition of photographs.

28/09/2017 – Profession Days. UPJŠ took part in the first year of the venture in Košice with 70 employers presented and attended by over 5,000 visitors. Pavol Jozef Šafárik University in Košice presented the opportunities it offers for study and further education to visitors of various age groups.

29/09/2017 - 11th year of the science festival in Slovakia - the European Research Day 2017 in Košice. Representatives of the University Faculties were active in science stands, the scientists introduced themselves through lectures on attractive and interesting themes, they performed small

knowledge contests and quizzes. The programme at the Observatory in Medzev was the accompanying venture of the festival.

29 – 30/09/2017 – Annual Conference of the Slovak Economic Association, SEAM2017, organized in cooperation with the University of Economics in Bratislava, Pavol Jozef Šafárik University in Košice, and the Technical University in Košice. The main lecturers were given by the Nobel prize winner, Robert F. Engle, and David H. Reiley. Within more than 100 lectures, scientific papers by 240 authors (and co-authors) representing more than 100 institutions from 23 countries around the world were presented at the conference. Renowned economists from Europe and other continents gave their lectures with the aim of exchanging the latest knowledge on economic relationships and processes and their application in economic practice.

06/10/2017 - The UPJŠ in Košice Open Door Day, organized in cooperation with the Department of Education of the Košice Self-Governing Region. Participants were given the opportunity to move by the agenda to individual lecture rooms where an ample programme prepared by the relevant faculties was at their disposal, some of whom having been informed of the opportunities for the study by the Faculty departments and University units in exhibition stands at the premises of the Socrates building. In the Minerva building, the exhibition stands of the Košice Student Radio, the University Students' Council, the Erasmus Student Network organization, the University Counselling Centre, and the Universitas Šafarikianae Choir presented themselves to the Open Door Day participants.

26/10/2017 – Awarding of Prizes by the Košice Self-governing Region at the State Theatre in Košice. The top prizes of the Regional Self-government were awarded to 18 individuals and six teams. The following honourees from UPJŠ in Košice were awarded: Assoc. Prof. MUDr. Miroslav Gajdoš, CSc., MPH, from the Faculty of Medicine for his significant contribution in the treatment of patients with diseases of the central and peripheral nervous system and its supporting structures, for his scientific

publishing activity and training of students for their future occupation. The Award of the Košice Self-governing Region President was awarded to the Institute of Histology and Embryology of the Faculty of Medicine for their special contribution in teaching and scientific-research activities and undergraduate and postgraduate education of medical students and young doctors. The Košice Self-governing Region President Plaque was awarded to Prof. RNDr. Pavol Miškovský, DrSc. of the Faculty of Science for his extraordinary contribution to the development of biophysics and interdisciplinary biotechnology disciplines in Slovakia, building of international scientific cooperation, and for his pioneering efforts in the interconnection of education, basic research, and transfer research.

30/10/2017 – Signing of the Memorandum of Understanding and Cooperation in the Study, Education, and Research Activities between the Ministry of Economy of the Slovak Republic and UPJŠ in Košice. After signing the Memorandum, a lecture was held by the Minister of Economy of the Slovak Republic, Ing. Peter Žiga, PhD. on the Pillars of Innovative and Competitive Slovakia.

06/11/2017 – The venture “Slovakia Discusses the EU” took place at the University with the participation of Peter Pellegrini, Deputy Prime Minister of the Slovak Republic for Investments and Informatisation, and Ivan Korčok, State Secretary of the Ministry of Foreign Affairs and the European Affairs of the Slovak Republic. The discussion was attended by students representing all the University Faculties on topics such as the position of Slovakia in the European Union, the Charter of Fundamental Rights, migration and security in the EU. The second panel of the discussion was attended by representatives of the political sphere, entrepreneurs, and social partners and the academic community: Martin Klus, the deputy of the National Council of the Slovak Republic, Miroslav Kiralvarga, President of the Republic Union of Employers and Vice President of External Affairs, Management and Business Development of the U.S. STEEL Košice, Marek Antal, Chairperson of the Supervisory Board of the Košice IT Valley, and Pavol Sovák, the University Rector.



HIGHER EDUCATION

UPJŠ defended its leading position in the Slovak higher education domain, mainly on the basis of its internationally recognized research, as confirmed by the Accreditation Commission by including UPJŠ among the four most significant scientific and research universities in Slovakia. The main priority of the present is to ensure that all parts of UPJŠ in Košice base their study on high quality scientific research led by teams of professionally erudite teachers who transfer the knowledge obtained by their own scientific research into the educational process. The UPJŠ staff and its constituents are making every effort to expose the students during the educational

process to the state-of-the-art experimental instrumentation technology, the latest information and communication technologies, as well as the innovative methods of education that may then be used in their own practice.

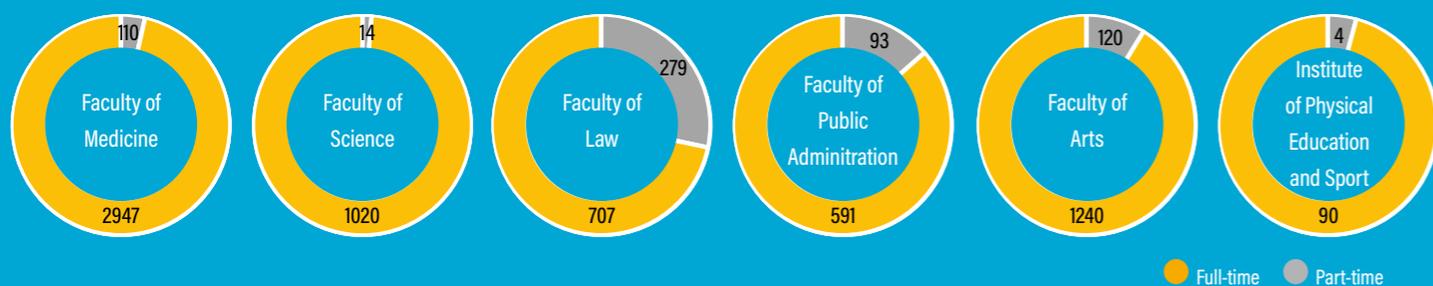
STUDY PROGRAMMES OFFERED

UPJŠ offers a total of 164 study programmes in the year 2017 (of which 96 Bachelor's, 64 Master's, 4 doctoral degrees of the associated 1st and 2nd levels), 10 of which are being taught in the English language.

STRUCTURE OF STUDENTS

The total number of students enrolled in the study programmes of the first, second, the associated first and second levels, and the third level in the full-time and part-time forms at UPJŠ in the year 2017 (as of 31/10) was 7,215 students, 6,595 of whom were studying in the full-time form and 620 in the part-time form of study.

The numbers of full-time and part-time students at the relevant components of UPJŠ in Košice



In view of the quality of education, the relatively low proportion of students in part-time education, which has stabilized in recent years and does not exceed ~ 8.6%, may be considered positive. In the academic year 2017/18, there are 1,485 international students enrolled at UPJŠ in the study programmes of the 1st, 2nd, the associated 1st and 2nd levels, and the 3rd level of study. These are students from over 50 countries (e.g. the EU, non-EU countries, Africa). The growing proportion of international students at UPJŠ is the result of a great interest in the study of General Medicine and Dental Medicine at the Faculty of Medicine, where in the academic year 2016/2017 1,122 students were studying and in the academic year 2017/2018 1 296 international students were studying with 316 students studying in their 1st year of study (as of October 31, 2017). In the academic year 2017/2018, 46 Ukrainian students attend this University, who study at

the Faculty of Science, the Faculty of Public Administration, the Faculty of Arts, and at the Institute of Physical Education and Sports. The total proportion of international students at UPJŠ in the academic year 2017/2018 amounts to 20%.

OVERVIEW OF ACADEMIC STUDENT MOBILITY

298 students were involved in academic mobility, which is 49 more students compared to the previous academic year. The individual international mobility sojourns of UPJŠ students were implemented in the form of study or internships mainly through the Erasmus+ Programme, the National Scholarship Programme, the NIL Fund, the Ceepus Programme, the Visegrad Fund, and other educational projects and programmes, while the Erasmus+ Programme was used by each University Faculty for the mobility of its students. In the

academic year 2016/2017, the total mobility included 935.5 persons/months, with an average of 3.1 months of mobility per student. The average duration of one student mobility has fallen by several days in the form of internships. In the academic year 2016/2017, UPJŠ received 133 students for study or internships at all of the Faculties of this University, which represents a one-third increase compared to the number of 100 incoming students in the previous academic year. The most important programme, in which students from abroad came to this University, was the Erasmus+ Programme; only few of the incoming mobility of students came through the National Scholarship Programme, which was only used by the students coming to the Faculty of Science. Every year, international students make use of the mobility, such as FreeMovers, who are interested in the study or

internships at UPJŠ and fund them from their own resources.

ADMISSION TO STUDY

In accordance with the Law Act on Higher Education, the admission procedure is held under the direction of individual faculties, with the exception of the university study programme Sport and Recreation. The admission rules were approved in time by the University/Faculty bodies and published. Since many study programmes require a specific assessment of study aptitude, their variability is also natural.

Applicants are admitted for several study programmes just on the basis of their secondary school assessments (Faculty of Science, Faculty of Law, Faculty of Public Administration and many study programmes at the Faculty of Arts). At the Faculty of Medicine and selected study programmes at the Faculty of Arts,

the admission procedure was carried out on the basis of the results of the written admission examination. The Faculty of Science, as an alternative to the assessment of the secondary school, uses the SCIO testing. The standardization of the wording of the decision on admission- non-admission and conditional admission minimizes the problems in assessing applications for review of such decisions by the Rector. Even on the basis of the completed appeal procedure, we may state that the admission procedure was seamless and the variability of the rules is well justified.

When analysing the administrative process of the data processing of the admission procedure, it has become customary to submit the electronic application form, which facilitates processing of the application forms and makes the process of the admission procedure more efficient. Admission in the second



and third levels of study is done almost exclusively by the electronic application form, which significantly facilitates the administrative processing of the admissions data. The administration of student enrolments is greatly facilitated by the support of the Academic Information System (AiS2) through electronic returns, including for international students. The electronic return facilitates the process of producing the PIKs for new students. Another important fact for administrative data processing for admissions and enrolment of new students is AiS2 support for pairing the payments, which are made by bank transfer with a precisely defined variable symbol according to the instruction by the Economic Section of the UPJŠ Rectorate.

In the year 2017, a total of 5,393 persons showed their interest in education at UPJŠ at all the levels of study in the academic year



2017/2018. Of these, 4,458 were the first-level degree and the associated first and second levels applicants, 728 applied for the second level and 207 of them in the third level of study. Of this number, 3,336 applicants were admitted to the study and 2,386 students were enrolled as of 31 October 2017.

GRADUATES FROM HIGHER EDUCATION

University study was successfully completed by 1,784 graduates of the 1st, the 2nd, and the associated 1st and 2nd levels of study.

The issue of employment rate of the university graduates has resonated in the Slovak society for quite a long time and is currently becoming one of the topics most discussed in public. We closely monitor the data published by the Ministry of Education, Science, Research, and Sport of the Slovak Republic on the

employment rates of UPJŠ graduates. It is clear from the published data that the graduates from the Faculty of Medicine and the Faculty of Science belong to the best-qualified graduates in the Slovak Republic. There is still a problem with the employment of graduates from the law and economic lines of study, partly as a consequence of a large number of higher education establishments (including the private ones providing training in these study branches), which has resulted in market saturation. UPJŠ does not underestimate this issue and takes measures to improve the employment rate of its graduates in practice:

- The University publishes the results of the employment rate analysis performed by the Ministry of Education, Science, Research, and Sport of the Slovak Republic for objectively informing the public at its website, the section of Study or the Public and the Media section.
- In order to improve the graduate training and making it more compliant with the requirements of employers, the University cooperates with practitioners (e.g. lectures, seminars, final papers). The University collaborates with many companies and presents this cooperation to the public on appropriate occasions.
- The introduction of interdisciplinary certified courses (CIK) for UPJŠ

students is considered to be an important measure that may contribute to a better employment rate of University graduates in the labour market. UPJŠ in Košice offers 10 UPJŠ Certificates and 3 internationally recognized certificates. The CIK offer for University students, regardless of their Faculty, contributes to a better profiling of graduates and consequently to their winning a better employment.

- UNIPOC University Career Advisory Centre offers career guidance.
- Measures have been taken to make the feedback from graduates more effective by creating an electronic questionnaire for graduates in the AIS2, but a print form of questionnaires is also used, where graduates may assess their employment rates and satisfaction with their studying at the University. This feedback option will be supplemented by information from the Institute of Information and Education Forecasts.
- At the UPJŠ website, a questionnaire is published in the Information and Media section on the employment rate of graduates with the possibility for our graduates to participate in the survey.



PROVIDING FURTHER EDUCATION

Active participation of the University in the Consortium of Universities providing education within the University of the Third Age has been our traditional and long-term activity. UPJŠ has offered the Third Age University education separately for the second year now. The study of interest lasts for three years; after the first general year, students were given an option to choose one of the following study programmes: English Language, Digital Technology in Everyday Life, Medicine, Political Science, Law, Science, Psychology, and Plants in the Environment. In the academic year 2017/2018, the University of the Third Age was attended by 285 students.

At the Faculty of Medicine, an important component of lifelong learning is represented by a specialized study that extends the education of health workers. All the Faculties have traditionally conducted doctoral procedures. The Faculty of Science conducted an extension study in the field of Mathematics, Geography, and Information Science in the academic year 2017/2018. At Faculty of Arts, an important component of lifelong learning is represented by a specialized study of Educational Psychology and language courses for students and employees of UPJŠ as well as for citizens of Ukraine working in the Slovak Republic. The Centre for Lifelong Learning and Project Support has been the University leader in further education and project management.



RESEARCH AND OTHER CREATIVE ACTIVITIES

UPJŠ ranks among the institutions with a long tradition of scientific research, which meets the mission of the University and belongs to its priorities. The areas of research direction are defined in the Long-term Prospect of UPJŠ in Košice for the years 2016 to 2021. The basic form of research organization at UPJŠ and its components are research teams, organized by prominent scientific figures; these scientific figures are the bearers of research. Research teams, especially in the case of interdisciplinary research, are often made up of researchers

from different institutes, faculties, and scientific cooperation goes beyond the University framework with researchers coming from other national as well as international universities or scientific institutions, and also from the business environment. Priority in the creation of research teams is represented in particular by the need for a comprehensive solution of the studied set of issues and the competence of the investigators. In addition to the scientific activity, the artistic activity is also implemented at the Faculty of Arts.

TOP TEAM TITLE	FACULTY
Top Team of Research into Inorganic Materials (TRIANGEL)	Faculty of Science
Košice Group of Discrete Mathematics (KOSDIM)	Faculty of Science
Onomasiology – Word Formation – Typology (OST)	Faculty of Arts
Quantum Magnetism and Nanophysics (QMAGNA)	Faculty of Science
The Research Team of Bioactive Substances for Biomedical Applications (Bioaktiv)	Faculty of Science
Excellent Team for the Research into Atherosclerosis (EXTASY)	Faculty of Medicine

Within the framework of the pilot project entitled “Identifying the Top Scientific Teams of Higher Education Establishments in Slovakia”, the Accreditation Commission ranked two top science teams at the Faculty of Science and one at the Faculty of Medicine among the top scientific teams at higher education establishments in Slovakia in 2017.

PROJECTS SUPPORTED FROM THE NATIONAL GRANT SCHEMES

In the year 2017, 220 projects supported by the national grant schemes were being addressed at UPJŠ, of which 201 were research projects and 19 other projects in the following structure:

Research projects:

- 110 VEGA projects, 35 of them with the beginning of solution in the year 2017;
- 26 KEGA projects, 9 of them with the beginning of solution in the year 2017;
- 63 APVV projects, 20 of them with the beginning of solution in the year 2017;
- 18 other projects (16 of them as non-research and 2 research ones).

Other projects:

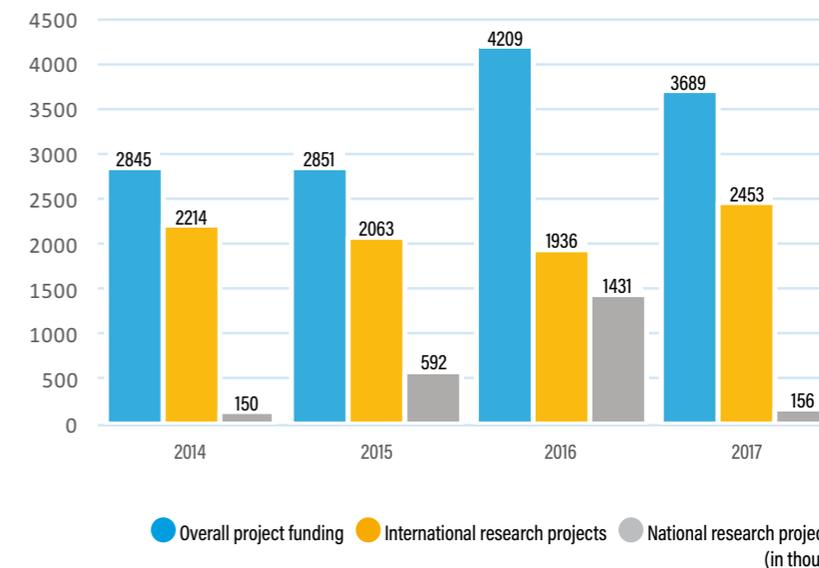
- 3 APVV projects of the bilateral-cooperation type.

PROJECTS SUPPORTED BY INTERNATIONAL GRANT SCHEMES

In the year 2017, 17 projects supported by international grant schemes were being addressed at UPJŠ, of which 5 were started in the year 2017. In order to solve international research projects and other international projects, employees received financial means totalling € 156,141. The average amount of funds received from international research and non-research projects per 1 creative employee of UPJŠ represents more than 200 €. Since basic research is carried out at UPJŠ as a classical university, the main types of outputs of the scientific work of the creative staff of UPJŠ are, according to the studied field of research, publication outputs mainly in the form of monographs, contributions to monographs, scientific papers published in journals registered in the WoS databases, the SCOPUS, and lately also in the ERIH.

FUNDING OF PROJECTS OBTAINED IN A COMPETITIVE FORM

In order to address research projects and other projects in the year 2017, UPJŠ employees obtained a total amount of funds from the national sources in a total amount of € 3,532,483. The average amount of funding received from national projects per creative employee amounts to € 4,547, of which the average amount for research projects per creative employee of UPJŠ was € 3,158.





PROJECTS UNDER THE COMMUNITY INITIATIVE INTERREG 2013 - 2017

These are transnational and interregional cooperation projects funded by the European Regional Development Fund to promote the harmonious development of the territory of the European Union at various levels, with the aim of addressing the problems together and seeking joint solutions, whether in the area of health, research and education, or sustainable energy. In the year 2017, the Department of Geography of the Faculty of Science prepared two projects of cross-border cooperation. Since September, they have been implementing the TOKAJGIS project, the basic idea of which is to create a common GIS framework between Eszterházy Károly University in Eger, Hungary and UPJŠ in order to support the harmonized presentation and organic

development of the wine region on the basis of the integration of basic territorial data joint processing of GIS by two European Member States. The aim of the BIO-LOK project was to raise awareness and make decisions on localization and use of biogas stations for local rural development in the Czech-Slovak border region.

HORIZON 2020 PROJECTS

Horizon 2020 is the European Union research and innovation funding programme. It is the main tool for the implementation of the Union Priority Initiative - Innovation. Horizon 2020 brings together all the existing sources of EU research and innovation funding (including the Research Framework Programme), innovation activities under the Competitiveness Framework Programme and the activities of the European Institute of Innovation and Technology. UPJŠ is aware of its responsibility for the implementation of Horizon 2020 projects, so it has set up a Lifelong Learning Centre and Project Office to support the activities related to Horizon 2020 in the year 2016. Its goal is to raise awareness of the challenges of Horizon 2020, assistance in the preparation and implementation of projects. This is also linked to the increased number of applications for Horizon 2020 projects submitted by UPJŠ in the year 2017. A total of 18 applications were submitted for Horizon 2020 and 1 REC project that are at different stages of evaluation.

Two research projects under Horizon 2020 were funded in the year 2017. The first approved project is the ALT international research project, the coordinator of the project is UPJŠ. Another approved project is the international research project UrbanHist, UPJŠ being one of its four partners.

INTERNAL GRANT SCHEME

The so-called "Internal Scientific Grant System" (VVGS) of Pavol Jozef Šafárik University in Košice has been introduced for young university teachers, researchers, and full-time PhD students in order to raise the quality level of the education of PhD students as well as young research and teaching staff at UPJŠ since 2004. From 2016, calls are launched in three programmes open to all the members of the UPJŠ academic community, namely: "Interdisciplinary Research Projects for University Teachers and Researchers Up to 35 Years of Age and PhD Students in the Full-time PhD Study" (hereinafter referred to as VUaVP35), the "Target-oriented Research Projects" programme for all the creative staff and the "Institutional Support to H2020 Projects" programme for all the creative staff. Given that UPJŠ management considers VVGS to be an important part of the PhD students preparation for scientific work, VUaVP35 has been innovated for young scientists and PhD students with an absolute emphasis on interdisciplinary projects involving

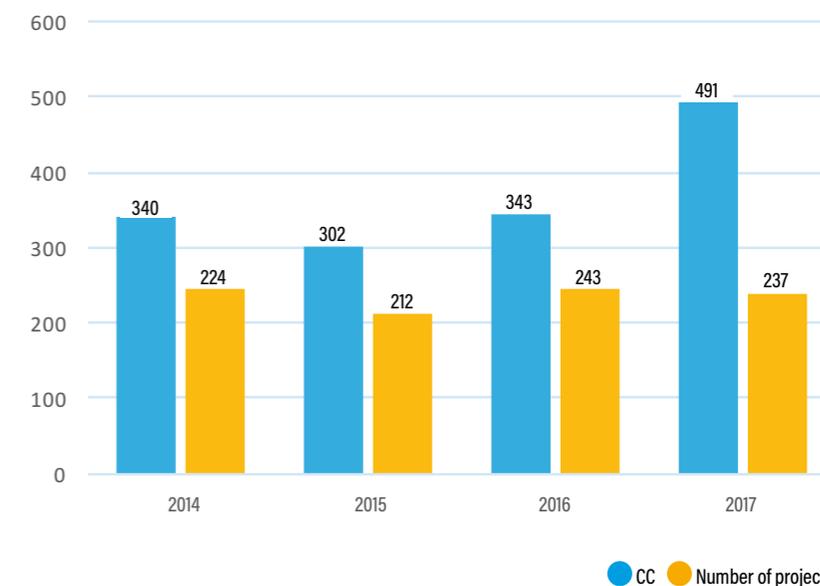
at least two research areas and the formation of larger research teams. In the year 2017, 26 VVGS projects were being addressed, with € 45,000 allocated in the year 2017.

In the year 2011, the legislative conditions for the establishment of post-doctoral posts at UPJŠ were created. Following this option, a call for post-doctoral posts was also launched in the year 2017. Within the selection procedure, five postdoctoral candidates were employed, one working at the Faculty of Medicine, two working at the Faculty of Science and two at the Faculty of Arts.

QUALIFICATION STRUCTURE

In the year 2017, a total 921 creative employees were being employed at UPJŠ, of these, 768 were university teachers and 153 were researchers. Out of the total number of creative employees at UPJŠ, there were 35 holders of the scientific degree of Doctor of Science - "DrSc". Most employees without the PhD degree work in the field of applied research (Faculty of Science) or are physicians at the Faculty of Medicine and language lecturers at the Faculty of Arts, or, respectively, lecturers providing sport training at UPJŠ.

9 habilitation (candidate associate professorship) procedures and 2 inaugural (candidate professorship) proceedings were completed at UPJŠ in the year 2017. The average age of the former was 46.7 years, the average



age of the professorship candidates was 51.5 years of age.

PUBLISHING ACTIVITY

In the year 2017, UPJŠ employees published a total of 2,744 publications. This number of registered outputs corresponds to the situation as on 31 March 2018. Each creative employee published 3.5 papers in the period under review or 0.6 papers in a CC journal. The research focus of UPJŠ is demonstrated by the fact that the University employees in the reporting period of 2017, according to the CREP database, published 625 papers in journals, representing more than 19% of all the papers in

the journals published by universities in the Slovak Republic and registered in the CREPČ system.

The analysis of the organization of research activities clearly demonstrates that internationally accepted research is mainly carried out at the Faculty of Science, the Faculty of Medicine, and the Faculty of Arts, while the other faculties are also active in this field - an overview of the number of reports on published outputs at UPJŠ in 2017, publishing in journals, publishing in renowned foreign publishers (Cambridge Scholars Publishing, Cambridge University Press, Springer, etc.).



EMPLOYEES

In line with the UPJŠ Long-Term Prospect for the Years 2011-2017, the organization and management area continued in the effective integration of academic, economic, administrative, and other related activities at the University. In order to ensure the stability of the University, attention was being focused on creating an effective organizational structure with the prospect of the university success in the next complex accreditation.

The basic prerequisite was the creation of conditions for the personal development of all the employees as well as adequate social-welfare conditions for employees and students. It was necessary to adhere to the internal wage regulation in such a way that the assessment of the quality of the work of the employees was implemented in the form of an ad-hoc occasional component of the salary.

Achieving a continual, qualified staffing background for individual workplaces was aimed at increasing the qualification structure and creating the preconditions for the personal development of young scientists. The goal continues to morally and financially motivate the creative staff of the University to improving their performance on the principle of transparency and deserved justice.

STRUCTURE OF EMPLOYEES

Average recalculated number of employees in the year 2017

	Teaching staff					Other staff without research	Science and research staff	TOTAL	Out of that, those paid from		
	Prof.	Doc.	OA	A, L	TOTAL				the Ministry of Education subsidy	the main non-business activity	the business activity
FM	49,4	36,0	153,8	52,9	292,1	173,9	54,6	520,6	393,4	126,7	0,5
FS	32,9	52,6	59,3	3,8	148,6	113,9	59,8	322,3	315,4	6,8	0,1
FL	5,7	18,8	25,0	1,7	51,2	27,3	6,7	85,2	78,4	6,8	
FPA	2,0	7,3	19,1		28,4	17,6	0,4	46,4	46,4		
FA	12,5	27,1	67,9	14,6	122,1	28,9	3,3	154,3	142,2	12,1	
RaUU	1,0	2,0	9,0	3,0	15,0	221,9	1,1	238,0	215,3	12,3	10,4
SD						59,8		59,8	47,3	9,1	3,4
SC						40,3		40,3		23,8	16,5
TOTAL	103,5	143,8	334,1	76,0	657,4	683,6	125,9	1466,9	1238,4	197,6	30,6

Key:
 OA professional staff
 A assistants
 L lecturers
 FM Faculty of Medicine
 FS Faculty of Science
 FL Faculty of Law
 FPA Faculty of Public Administration
 FA Faculty of Arts
 RaUU Rectorate and University units
 SD Student dormitories
 SC Student canteens

Age structure of employees as on 31 December 2017

Age	up to 30 years	up to 40 years	up to 50 years	up to 60 years	up to 65 years	over 65 years
Number of employees	166	414	419	405	144	86
	10,16%	25,34%	25,64%	24,79%	8,81%	5,26%

Recalculated number of university teachers as of 31/12 in 2017 and 2016

	2017	2016
Number of Professors and Assoc. Professors with the academic degree of DrSc.	96,24	95,17
Number of Assoc. Professors without the academic degree of DrSc.	167,27	165,13
Number of teachers with the academic degree of CSc., PhD.	310,28	309,07
Number of teachers without an academic degree	100,26	93,22



The University has been paying appropriate attention to further education, as well as the professional development of the administrative and operating staff. Employees were given the opportunity to participate in professional training in connection with legislative changes, as well as to refresh their professional competence to performing those activities that could only be performed by demonstrating this competence. In order to improve the work of the employees, the University and its components have also

provided training courses in digital literacy, the English language courses for employees who use this language in the performance of their work. The University has created a working environment for its employees with the provision of computer technology and access to information resources so that they can carry out the activities at the highest professional level in accordance with the contract of employment concluded.



SUPPORT TO STUDENTS

Student support at UPJŠ was mainly implemented in three areas: social-welfare support to students, support of study, and support to associating and extra-curricular activities.

SOCIAL-WELFARE SCHOLARSHIPS

The core of social-welfare support to students consisted in three components: social-welfare scholarships for students from low-income families, student accommodation, and boarding. Social-welfare scholarship grants from the Ministry of Education, Science, Research, and Sports of the Slovak Republic were paid out in the total amount of € 1,089,585.

STUDY ACHIEVEMENT SCHOLARSHIPS

Student support has had a variety of forms, including financial incentives – a motivational scholarship that was made by paying union scholarship, a study achievement scholarship for the ten percent of students with the study achievements over the previous academic year, in the form of annual Rector's Prizes, and extraordinary scholarships. The motivation scholarship for full-time students was paid out in the total amount of € 409,030.00.

Rector's Awards were awarded in the form of the Rector's Annual Awards to graduate students of the first or the second level of study for their outstanding study results throughout the course of study, to students who achieved outstanding results in scientific research and sports, and by extraordinary scholarships awarded to students who successfully represented the University in various areas, sports or culture. Altogether, a total of € 36,450.00 was disbursed.



IMPROVING THE MATERIAL CONDITIONS FOR STUDY

Addressing the scientific and educational projects has in particular contributed to the improvement of the quality of the premises at the Faculties. The conditions for study at the University are comparable to the conditions for study in advanced educational institutions abroad. At the Faculty of Medicine, the auditoriums have been revitalized and the seminar rooms have been renovated, and also investments have been made in the purchase of teaching materials. At the Faculty of Science, the building at Moyzesova 11 was on fire, requiring changes in the organization of teaching and additional financial resources were needed to reconstruct the building. The most prominent projects at the Faculty of Science currently include the IT Academy Project - 21st Century Learning, which brings resources to the field of restoration and provision of material and technical conditions of education. The Faculty of Law has very well equipped specialized computer classrooms. In the past year, the Faculty successfully implemented the project for the development of clinical legal education, in which several educational activities took place. The Faculty of Public Administration bought information kiosks for students and multifunctional office equipment. The Faculty of Arts

continued the trend of improving the technical parameters of teaching and cultivating the relaxation zone for students in the Faculty premises.

COUNSELLING AND CAREER SERVICES

For the third year in succession, the University Counselling Centre UNIPOC has been providing consulting services for all the students, including support for students with specific needs. In the past academic year, it rendered legal, psychological, and social counselling. It rendered support to students with special needs, it was providing career services, career counselling, and psychological counselling in English for international students of this University. The UNIPOC organized its first Career Day, which was of a major concern for potential employers and students, and we plan to implement it on the annual basis.

ACCOMMODATION SERVICES

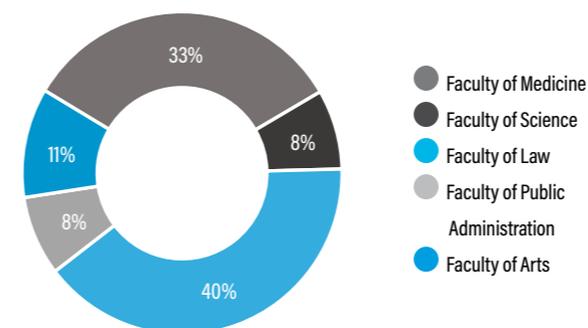
For the student accommodation, the University had 1,760 accommodation places in its own facilities and 450 places in the leased accommodation facilities of external contractual partners in the year 2017, where 70 students were accommodated coming to the university as part of the

Erasmus exchange programme. The conditions and way of allocating the places to the candidates are transparently regulated by the House and the Accommodation Rules, according to which the entire accommodation capacity was divided into university students regardless of the study programme and the Faculty they are studying at. Accommodation was allocated to all the applicants with severe disabilities, as well as to all the applicants – students of the third level of education.

LIBRARY SERVICES

The University Library is involved in providing information on the teaching and research activities of University staff and students, creating the conditions for the support of the educational process and a stimulating environment for its users. We registered 8,146 users in the year 2017. The University Library participated in training for working with electronic databases in cooperation with their suppliers, organizing exhibitions, seminars, having prepared 188 ventures, 23 of which were focused on information education. It has provided 4,111 individual instructions to its users.

Information education - individual instruction



A good form of education for both users and library staff is represented by web seminars as a new online learning method. In the context of getting information and maintaining contacts with the UL users in the year 2017, it has also used social networks - the Facebook. The University complete publishing activities in printed and electronic forms were provided by the University Library, activities of University significance were implemented in the sense of the Editing Plan. 137 book titles were published in 19,306 copies. An integral part of activities of University importance was the securing of the sale of publishing production through the University Book Shop and the Unibook Internet shop.

INFORMATION AND COMMUNICATION TECHNOLOGIES

The Information and Communication Technologies Centre continued to fulfil the tasks resulting from the concept of the development of information and communication technologies (ICT) at UPJŠ until 2020, as well as the tasks that emerged from the standard operational needs of the University. As part of the SANET network upgrade, its transmission speed has increased, the Infinera CloudXpress CX100E DWDMs have boosted transmission capacity. In order to optimize the efficiency and security of the network services rendered, their innovation (WiFi, WEB or update (e-mail)). At the beginning of 2017, within the Technicom project, the implementation of the second Cisco 6509 university switch at the Faculty of Science and their VSS (Virtual Switching System) was carried out to allow for alternate routing of networks in the event of a failure in the automatic mode. In cooperation with the supplier, this section deployed the in the ICT a pilot facility for Medipark. Also, the gradual upgrading of personal computers has been achieved by mounting the SSD drives, which will significantly increase their performance. To increase the Wifi signal coverage, an additional 10 Wifi transmitters were placed at higher concentration levels of students or the University staff.

STUDENT ASSOCIATIONS

There are a number of student associations and organizations of diverse orientation and focus at the University. The Association of Medical Students of the City of Košice, the Slovak Association of Students of Dentistry, the Student Council of the Faculty of Science, the European Association of Students of Law ELSA, the Civil Association of Sofia (formerly the Student Council of the Faculty of Arts), the Student Parliament of the Faculty of Public Administration, the Erasmus Student Network ESN, Debate Club, Student Radio Košice, University Television, Univerzál Journal of students of the Faculty of Science, Prímes (Admixture) the Journal of Students of the Faculty of Science, the student dormitory radio broadcasting ŠtuRKO.

ARTISTIC BODIES

The Hornád folklore ensemble has been operating under the financial, material, and ideational background provided by UPJŠ since 2011, representing it at many folklore festivals, The Folklore Festival in Východná, the Myjava International Folklore Festival, or the Podpolianske Slávnosti feast in Detva. The soloists of the Hornád folklore ensemble annually take the first positions among the most prestigious Slovak soloists contests in the popular dance of Šaffova Ostroha, as well as in the Makovická Struna sing-song contest.

The well-established Chorus Universitatis Šafarikianae choir is made up of University staff and students, and by its activities it contributes to the visibility and dissemination of the University renown. The choir presents its art at many university ventures, ceremonial opening of the academic year, Christmas and summer concert for employees, they participated at the International Festival of Advent and Christmas Music in Prague, Gold Graduation ceremony at the Faculty of Medicine – in its Aula Maxima, the ceremonial concert commemorating the 25th anniversary of the Constitution of the Slovak Republic.

SPECIAL-PURPOSE FACILITIES

The UPJŠ training facility in Danišovce provided employees, students as well as the general public with the possibility of individual stays, seminars, conferences, workshops, courses, and physical training activities, or recreation with a full-day diet. The accommodation capacity of 62 persons was continuously being occupied for the most part.

The UPJŠ Physical Education Unity was particularly satisfying the interests and hobbies of University students, as well as high-school youth, children and citizens of Košice. In accordance with the goals and the need for the development of physical culture, it cooperated with other physical and social organizations. TJ Slávia UPJŠ physical education association belongs among the Slovak Association of Physical Culture, it is a member of the Association of Physical Unities of Slovakia and the Slovak Association of University Sports.

BOTANICAL GARDEN

The Botanical Garden has traditionally been participating in the teaching of students of the Faculty of Science, by holding lectures and practical exercises in Botany, Phytopathology and Plant Ecology, as well as supervising the diploma degree theses. In the year 2017, it participated in the Third Age University teaching programme in the Plant & Environment study programme. It has organized several thematic exhibitions for the public, Autumn Fruits, Beekeeping, Cacti and Succulents, Bonsai Exhibition, Exotic Tropes Butterflies, Orchids – Plants in the Plant Realm, etc.

INSTITUTE OF PHYSICAL EDUCATION AND SPORT

In addition to the study programme of Sport and Recreation, the Institute of Physical Education and Sport offered a wide range of sports activities in the year 2017. Students at all the levels of study had the opportunity to choose from about 20 physical activities. In addition, students had the opportunity to take part in the all-year-round college league in futsal, floorball, basketball, and

volleyball. Traditionally, sporting activities included winter skiing and winter survival courses, as well as the summer Tisza River in Hungary sail and seaside exercise drills in Bulgaria. Students represented the University at many sporting ventures, at the Summer Universiad (9th place in taekwondo), at the Winter Universiad (5th place in hockey), in the Slovak Championships (1st and 3rd places in inline skating).



DEVELOPMENT

In the year 2017, UPJŠ was actively involved in the calls made by regional, national, international, and foreign grant schemes, seeking to obtain commercial grants, or to participate in programmes and pan-European networks. At the University level, priority was given to the European Investment and Structural Funds and the H2020 Framework Programme.

THE FIELD OF HIGHER EDUCATION

- Projects under the Operational Programme Education of the 2007 - 2013 programming period in the sustainability phase

The Operational Programme Education has enabled the University to implement 10 high-quality education projects from the EU Structural Funds with a University-wide or inter-Faculty dimension. All of the educational projects are in a 5-year sustainability period with subsequent monitoring.

- Projects of the European Structural and Investment Funds under the Human Resources Programme 2014-2020

In the year 2017, the University became a partner in the national project “IT Academy - Learning for the 21st Century”, which has successfully completed more than two years of this educational project with a Slovakia-wide reach, whose main goal is to create a model of education and preparation of young people for the current and prospective needs of the knowledge society and the labour market focusing on IT and ICT. In 2017, the Negotiation Process of the Demand Education Project under the State Aid Scheme for Lifelong Learning “Development of Key Competencies of the Public Administration Employees” (RKKZ) began in the year 2017; this is a whole-University project aiming to create a model of educational activities for employees in public administration who, by improving their digital skills and increasing their legal awareness, will

be more effective in practice, flexible in using new technologies, and will keep improving their working efficiency.

- The European Structural and Cohesion Fund project under the Operational Programme Technical Assistance for the 2014-2020 programming period

In the year 2017, the project of the Operational Programme Technical Assistance, which the University as a partner implements with the Office of the Deputy Prime Minister of the Slovak Republic for Investment and Informatization “Preparation of New Capacities for ESIF 1”, was launched. The aim of the project is to prepare new study subjects “The EU Law and the EU Funds” for the Faculty of Law and the “Competence of the Administrative Capacity of the ESFS” for the Faculty of Public Administration.

THE FIELD OF SCIENCE, RESEARCH, INNOVATION, AND ARTS

- Projects under the Operational Programme Research and Development of the 2007 - 2013 programming period in the sustainability phase

In the year 2017, there were 34 research and development projects of the Operational Programme Research and Development in the 5-year sustainability period.

- Projects of the European Structural and Investment Funds under the Operational Programme Research and Innovation for the 2014-2020 programming period

In the 2014-2020 programming period, the UPJŠ is trying to succeed with the projects submitted as a priority under the Operational Programme Research and Innovation. The University Science Parks Medipark II and Technicom II were given the opportunity to continue with the 2nd phase, to complete the University Science Park Infrastructure.

UNIVERSITY SCIENCE PARK MEDIPARK, KOŠICE

One of the University priorities is to continue the implementation of projects with the intention of building a bio-medical University Science Park by integrating the infrastructure and human potential of the staff of basic biomedical research at the Faculty of Medicine and the Faculty of Science in cooperation with partner organizations in the region with the impact on applied research, with clinical departments of the Faculty of Medicine and the impact on the development of spin-off organizations. This is a basic vision of the University Science MediPark in Košice. The academic institutions participating in the project include Pavol Jozef Šafárik University in Košice, the University of Veterinary

Medicine and Pharmacy, the Biomedical Centre of the Slovak Academy of Science, and the Technical University in Košice. The aim is to build a physical infrastructure and build a university science park as a sophisticated technological unit at Trieda SNP 1 in Košice and a small animal surgery pavilion at the University Veterinary Hospital. Further development of top-of-the-line applied research in selected fields of science, including its socio-humanitarian dimension reflected in public health in five key research programmes: Pharmacogenetics and Individualization of Treatment, Metabolism - Atherosclerosis - Aging, Neuroscience, Regeneration and Reproductive Medicine, Zoonoses and Significant Infectious Diseases.

The anticipated specific results of the research activities of the MediPark University Science Park in Košice with the transfer to clinical practice include the development of personalized medicine in the treatment of cancerous diseases and in the field of reproduction; the use of innovative methods in the prevention, diagnostics, and treatment of internal diseases; the use of new technologies in microsurgery and minimally in-vivo endoscopic surgery; innovative treatment of degenerative diseases and injuries of nervous tissues as well as degenerative diseases and skeletal injuries; dampening the spread of zoonoses and significant infectious diseases.

UNIVERSITY SCIENCE PARK TECHNICON FOR INNOVATIVE APPLICATIONS WITH THE SUPPORT OF KNOWLEDGE TECHNOLOGIES

The Technicom University Science Park provides the creation of business incubators for small and medium “Hi-Tech” companies, Start-up, “Spin-off” companies, mainly generated on the basis of relevant research and development results carried out within the research and innovation activities and projects of the universities and institutes of the Slovak Academy of Science, promote broad-spectrum, effective, and mutually beneficial R&D cooperation between universities and institutes of the Slovak Academy of Sciences and relevant organizations from social and economic practice, creates the preconditions for the continuous development of research and development with a permanent impact on the transfer of knowledge and technologies, innovation practice at international, national and regional levels, in cooperation with the University Centre for Innovation, Technology Transfer, and Intellectual Property Protection and the Technical University in Košice, is the first contact point for companies interested in collaborating with research and development teams from universities, while providing counselling, educational activities and expertise.

The first phase of the Technicom project was implemented in the years 2013-2015. The total eligible costs for UPJŠ as project partner amounted to € 4,088 mil. Within the 2nd phase of the Technicom II project construction work has been completed from its own resources and in the autumn of 2016 the operation of the Technicom University Science Park was opened at the Faculty of Science. Part of the research from the Technicom University Science Park has been covered by the Technology and Innovation Park (TIP-UPJŠ), particularly in the areas of information and knowledge systems, cyber security, communication and collaboration systems, which should be implemented within the Centre of Information Science and Information Technology.

PROMATECH RESEARCH CENTRE

The strategic objective of the project was to build a National Research Centre for Progressive Materials and Technologies for Present and Future Applications (PROMATECH). The specific objectives and activities of the project included support for the development of research and development institutions and scientific and technical infrastructure. Establishment and operation of the Research Centre of Progressive Materials and Technologies, cooperation within the academic sector in the implementation of

applied research and development, applied research and development in the area of new materials and technologies, improvement of the quality of the transfer of knowledge and technologies into social and economic practice, and the creation of a platform for technological transfer.

The project had the Slovak Academy of Sciences in Bratislava as its main partner, and the intention was to develop a research centre of progressive materials and technologies for current and future applications. The project includes scientific research groups from the Faculty of Science. The partners of the project included the Institute of Materials Research of the SAS in Košice, the Institute of Experimental Physics of the SAS in Košice, the Institute of Geo Technology of the Slovak Academy of Sciences in Košice, the Institute of Materials and Mechanics of SAS Machines in Žiar nad Hronom, UPJŠ, and the Technical University in Košice. Research activities in the field of development and study of materials for ICT technologies and cryo technologies, new magnetic materials based on composites and micro projects were carried out within the project expertise.

TECHNOLOGICAL AND INNOVATION PARK (TIP-UPJŠ)

In the year 2017, in parallel to the implementation of Medipark II, the University Technology and Innovation Park (TIP-UPJŠ), which since September 2017 has covered the University research parks and the research centre, has begun to be created. The TIP-UPJŠ was created in particular in connection with the successful implementation and results of the implementation of the CELIM, MEDIPARK, TECHNICOM, PROMATECH projects as a research and development centre with high-quality infrastructure and the ability to fully integrate into the international research environment, available for interdisciplinary research, development, and innovation. On the basis of the results of the above-mentioned projects, its activity should successively be implemented in four technological innovation centres: the Centre for Interdisciplinary Biology (CIB), the Centre for Translation and Clinical Medicine (CTCM), the Centre for Information Science and Information Technologies (CIIT), and the Centre for Progressive Materials (CPM) focusing on: nanomedicine, regenerative medicine, personalized medicine, aging, the environment, information and knowledge systems, cybernetic security, communication and collaboration systems, development of progressive materials with a potential for application in human medicine, nanotechnology and information technologies on the basis of current personnel security within individual faculties.

THE FIELD OF INNOVATION AND TRANSFER OF TECHNOLOGY AND KNOW-HOW INTO PRACTICE

The field of innovation and technology transfer and know-how has been co-ordinated by the Institute for the Transfer of Research and Know-How in Practice, whose long-term goal is to coordinate the activities leading to commercialization of intellectual property and the know-how emerging at UPJŠ. This section pursued that goal in close cooperation with intellectual property developers

working at individual faculties and other university departments, as well as in synergy with SAFTRA s.r.o. activities and the companies with the equity ownership of SAFTRA, s.r.o.

The activity of the division in 2017 focused on consulting and advisory activity and coordination of initiated industrial law proceedings as well as on the promotion of the Contrasting Mixture and its use in the commercial sphere (awarding the Technology Transfer Award in Slovakia in 2017, the category of Innovation). The solution developers participated in the Falling Walls Lab 2017 competition.

The Transfer Research and Know-how Transfer Section has coordinated communication with both national and international partners to ensure the protection of intellectual property, including the practical implementation of reimbursements for the protection and preparation of the related documents. Special activity was associated with the coordination of the support of the subsidiary SAFTRA, s.r.o. and its established companies (SAFTRA photonics, s.r.o., SAFTRA IMAGINE, s.r.o., and SAFTRA 3D mapping, s.r.o.). In the year 2017, negotiations on the form of integration of the section into the organizational structure of the Technology and Innovation Park (TIP-UPJŠ) took place.

UPJŠ RESEARCH INFRASTRUCTURE ROADMAP

In the year 2017, a list of unique laboratories and apparatuses was developed at UPJŠ. The UPJŠ Road-map of Research Infrastructure” for the offer of expert services:

- identifying the current possibilities and position of UPJŠ within the research area in the Slovak Republic and in the EU focusing on the implementation of expert services for the needs of the research and the commercial sector, while for the partners there will be a range of expert services available to the partners in the future
- in synergy with RIS3 SK, it will set targets to set priorities in building and maintaining the research and development infrastructure at UPJŠ



- showing the perspectives and objectives of the development of the research base and of the expert services provided
- allowing access to the major European infrastructures that are being built under the infrastructure plan of the ESFRI Roadmap
- from the European Commission's position, the existence of the UPJŠ Roadmap is required as a natural commitment of UPJŠ for the efficient use of both national and European funds (State budget, State support funds, State-specific support funds, Operational Programme Research and Innovation in the Implementation of European Structural Funds and Investment Funds for the 2014-2020 Programming Period, the European Framework Programme for Research and Innovation - Horizon 2020, Operational Programmes for Cross-border European Territorial Cooperation, etc.)

- creating and sharing a roadmap is an opportunity for improving the research and development infrastructure of both national and international partner research centres and laboratories, applying experimental methods to promote major scientific approaches and utilizing the cutting-edge international research and development base
- - by interacting with the European and world R&D environment, the need for practice and
- the identification of joint research teams, it fundamentally determines the priorities for the purchase of the necessary research infrastructure in the future
- streamlining the communication among the R&D centres, the commercial sector, and enabling better conditions for the creation of research results that will lead to the creation of intellectual property and the transfer of research results into practice.



INTERNATIONAL ACTIVITIES

UPJŠ has for long supported the international activities of the University students and staff, and international engagement is manifested in all of the areas and in all three roles of a university in society. The most significant forms of internationalization of study, teaching, and research have benefited from the mobility of students and staff who have completed over 600 stays in mobility programmes and research projects. All the types of mobility - study, internships, teaching, and training and implemented mobility were implemented mainly in the European countries in the period under review. Overall, in the academic year 2016/2017, the international

mobility was attended by 298 UPJŠ students and 352 employees of UPJŠ from all its faculties and workplaces, which was double in number of the employees and a 20% increase in student mobility compared to the previous academic year.

Some international rankings of universities, particularly the URAP, Best Global Universities Ranking, U-Multirank, RankPro, have been validated by the international recognition of universities, which assess the academic and educational performance of universities and, through various indicators, are an important source of information on the status of UPJŠ in the international

space. Improving the status of the University within the international rankings shows that the actual results of the University, especially in the field of science and research, are the source of its reputation and progress.

Recognizing the quality of the experts working at the University can also be described through their work in many international organizations, councils, associations, international scientific and research cooperation, organizing and participating in international events, conferences, congresses, implementing or conducting international educational projects, tuition, foreign language teaching, admission of foreign

experts and their involvement in the teaching process at UPJŠ.

In the year 2017, teachers and University experts were involved in 434 international organizations, societies, associations through collective or individual membership. The number of members has increased by 39 new members in comparison with the year 2016 when 10 members ceased to be members at all the University departments. Movement within a pointer that tracks teacher and scientific membership in international organizations demonstrates that membership is not reported as a formal interest, but proves the active international participation of individual university experts.

An important prerequisite for the implementation of the international activities of the University offices

and experts are the contracts and agreements with universities abroad. In addition to the Erasmus+ Mobilization Agreements, more than 20 contracts were renewed or newly concluded in the year 2017 within the framework of international educational or scientific research cooperation. Individual faculties and workplaces of UPJŠ organized more than 30 ventures with international participation during the year under review, UPJŠ experts presented 49 invited lectures on cross-border ventures and attended 1010 foreign business trips related to the Erasmus+ mobility.

The University internationalization strategy also applies to the University students, in particular by engaging international elements in teaching, sending students to mobility, and recruiting international students. In the past year, the University accepted

133 foreign students. Each Faculty offered together over 200 foreign language courses for incoming students in mobility programmes. In the past year, UPJŠ carried out a total of 16 joint and double study programmes concerning 38 students sent or received under this type of study. The number of self-paying international students and students from abroad studying in the Slovak language increased to more than 1,400 in the year 2017, increasing the proportion of students from abroad to 20%.



QUALITY ASSURANCE SYSTEM

QUALITY OF FINANCIAL MANAGEMENT

The revenue part of the budget is subdivided into subsidies from the State budget in the form of subsidy contracts, grants received through the Ministry of Education, Science, research, and Sport of the Slovak Republic grant system and non-subsidized revenues. The total revenue of the University in the year 2017 was € 61,307,947.68. The structure of these revenues was as follows in the year 2017:

- Current subsidy from the Ministry	53.69%
- Capital subsidy from the Ministry	0.52%
- Other subsidies from the State budget	1.72%
- Structural Funds of the European Union	14.04%
- International projects	1.52%
- Gifts and grants	0.10%
- Business activity	2.66%
- Other income	25.75%



All of its organizational components are involved in obtaining subsidies and non-contributory income. In the year 2017, the State budget provided by the Ministry of Education, Science, Research, and Sports of the SR was the decisive source of the expenditure on education, scientific, and research activities, as well as social-welfare support for students.

One of the decisive indicators that testifies to the quality of the budget and the management of public funds is the economic outcome. In the year 2017, the University earned a profit of € 3,674,166.86. This was created by the difference between the total revenues of UPJŠ in the amount of € 62,111,012.20 and the total cost of € 58,436,845.34. These values include its core and business activities. The University uses standard methods for financial management, such as financial planning, financial and cost

analyses, and controls. In its regular monthly and quarterly reports, it analyses the development of individual indicators. By subsequent evaluation it takes decisions leading to targeted savings of operating costs.

QUALITY OF EDUCATION

The internal quality assurance system at UPJŠ is based on the Standards and Guidelines for Quality Assurance in the European Higher Education Area (EHEA). The ESGs were adopted by ministers in charge of higher education as early as in the year 2005 and were revised and modified in the year 2015. The ESGs 2015 are employed in the European education area for internal and external quality assessment of education. The area of internal quality system policies and procedures at UPJŠ focuses mainly on indicators of quality evaluation, such as interconnection

of education and research, regular monitoring and evaluation of study programmes, ensuring the qualification development of university teachers, control and monitoring of the teaching process, questionnaire surveys of students, graduates, and staff opinions in the field of education, student and teacher assessment, monitoring and evaluation of quality in science and research, monitoring and evaluation in the field of international relations and cooperation, student involvement in the internal quality assurance system, provision of material, technical and information resources to support the education of students according to the needs of the study programmes, publication of actual, objective, quantitative, and qualitative information on the study programmes and their graduates.



PUBLIC RELATIONS

The effective cooperation of UPJŠ with specific target groups of the public is one of the important means of creating, maintaining, and highlighting a positive image of the University in the public space in the Slovak Republic and abroad. Four contractual partnerships, three with theatres based in Košice, one of the East-Slovak Literary Museum in Košice, can be considered as such in the year 2017.

In the year 2017, the Internet business continued, with UPJŠ in Košice being its operator. Online sales of goods were made via the Internet site www.upjs.sk. During

the year, promotional materials were published in the Slovak, English, and Ukrainian languages. The university promoted its activities in the print media for advertisements in specialized daily newspaper annexes and other periodicals. In the period under review, it published four issues of the Universitas Šafarikiana University Magazine. UPJŠ took an active part in the educational fairs and presented its exhibition stand in October 2017 at the AKADÉMIA & VAPAC International Fair of Studies and Career in Bratislava and in November at the PRO EDUCO International Fair in Košice.

The Rector's Office and the Public Relations Department coordinated the University Without Walls project. The project is conceptually aimed at making the world of science and education accessible to children, including the socially excluded layers of our society, in order to support the development of their talent, abilities, and skills. In the year 2017, the project was attended by 62 children, including 11 children from children's homes in the Košice Self-governing Region. Other organized ventures include the University Open Door Days or the Open Door Day for applicant students from Ukraine. Traditional projects included the

Ars Šafarikiana venture with the participation of 10 young literary creative artists from Slovakia, Bohemia, and Serbia.

In the year 2017, a personality project@upjs began to be carried out to present selected personalities of UPJŠ, who through their scientific and academic work should be credited for the positive visibility of the University and their workplace. The project is a welcome opportunity to give thanks to the personalities for their long-term active work at UPJŠ and at the same time it is a contribution to the creation of historical memory of UPJŠ.

In the year 2017, the work on the book on Pavol Jozef Šafárik in the Continuum was completed, which is the result of the latest results of the scientific study of the life and work of the native of Kobeliarovo. The second



project related to the presentation of the life and work of Pavel Jozef Šafárik is the installation of permanent exhibition Personality and Work of P. J. Šafárik in the entrance hall of the UPJŠ Rectorate building. In the year 2017, the preparations for the creation of a script (collection of photographic and text material from the "Prague" and "Novi Sad" residences of P. J. Šafárik) were started and whose author is Vice-Rector, Prof. PhDr. Ján Gbúr, CSc. It is assumed that the scenario will be completed in the year 2018 and preparations will be made in the same year for the installation of the permanent exhibition. Its completion is foreseen for the year 2019.

MEDIA ANALYSIS

Media outputs were monitored in 2 segments (01/09/2016 – 30/06/2017 and 01/07/2018 – 31/12/2017), with

radio and television broadcasts, press and relevant websites monitored for the purposes of analysis to identify data to publicize pertaining to individual topics, to analyse the number of occurrences, the quality of recorded publicity, and to evaluate the results. In the reporting period, from January to June, a total of 2,010 relevant contributions were evaluated, including 1,227 contributions in web resources, 594 contributions in print, 81 lectures, 108 radio broadcasts. Between July and December, a total of 1,044 relevant contributions were evaluated, including 674 contributions in web sources, 226 contributions, 66 postings on the TV, and 48 postings on radio broadcast. The highest number of posts recorded was in September and November 2017. The number of PR reports and advertising articles reported together amounted to 124.

RANKING OF UNIVERSITIES

UPJŠ in Košice according to the US ranking News - Best Global Universities Rankings is among the top 1,250 world universities. Three Slovak universities came to the list: Comenius University in Bratislava (511th place), UPJŠ in Košice (894th place), and Slovak Technical University in Bratislava (1,065th place).

UPJŠ in Košice has taken part in the World Ranking of Universities through the Worldwide Professional University Rankings RankPro 2015/2016. Within the RankPro 2015/2016 University Awards, UPJŠ in Košice ranked among the top 500 world universities and ranked in a total of 77 positions. In the evaluation of European universities, UPJŠ in Košice was placed in 35th place and ranked the 1st in the ranking of Slovak universities.

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