

# 2019



**PALACKÝ UNIVERSITY OLOMOUC**  
2019 ANNUAL REPORT

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## A Word from the Rector

“ In 2019, we all commemorated an important milestone – the thirtieth anniversary of the Velvet Revolution – by a number of events, including those at Palacký University Olomouc (UP). UP took advantage of the occasion by awarding personalities who significantly served in the expansion of democracy in the Czech and Slovak republics at that time. In 1989, Palacký University was at the centre of the revolutionary events, and so too on 17 November 2019, when the students from the original Student Strike Committee commemorated their activities in 1989, again in the spaces of the Faculty of Arts. Palacký University Olomouc continues its efforts in fulfilling its societal role. In 2019, for example, it received two important awards: the Czech National Prize for Social Responsibility, and the prestigious

European Association for International Education award for excellent results in Internationalisation. Every year, UP’s international reputation grows, proven by our best rankings to date in several prestigious international rankings, and also by the fact that a record 4,500 international students from 108 countries attended UP in 2019. UP also complies more and more with the important concept of sustainability, and thus supports a number of events and initiatives which urge environmentally-friendly behaviour with the goal of making the world a better place. I strongly believe that these activities are deeply meaningful, and that future generations will appreciate our efforts. I hereby thank the entire UP academic community for a job well done in 2019.”

JAROSLAV MILLER  
Rector of Palacký University Olomouc





← *Three Magi at the Rector's Office*

**2019 at UP**  
A CALENDAR OF  
NOTEWORTHY EVENTS

## JANUARY

### Three Magi at the Rector's Office

Caspar, Melchior, and Balthasar brought the glad tidings of Christ's birth to the university and left the message *Christus mansionem benedicat* on white chalk at the university entrance: Christ Bless this House. The largest collection for the needy in the country was organised by Caritas for the nineteenth time.

### Continuing support for creative industries

Palacký University focussed even more intensively on research into the cultural and creative industries. The research team worked on a public database of local subjects in the field and organised a series of round tables and workshops.

## FEBRUARY

### UP commemorated its anniversary

The university commemorated the anniversary of its reinstatement on 21 February 1946 with a week-long programme. The highlight of the Academic Week was the Palacký University Ball; other events included the presentation of the Rector's Awards, blood donations, a thematic special issue of a trivia quiz, and a launch of the audiobook *A Rector's Reminiscences* by Professor Emeritus Josef Jařab.

### First winter school of midwifery

Participants from four countries took part in the Midwifery in the 21st Century winter school, the first year of which was prepared by the UP Faculty of Health Sciences. The programme included practical lessons and a full-day course with renowned German midwife Barbara Kosfeld.

## MARCH

### How does science in Olomouc stand?

Olomouc Science 2019 was the subtitle of the Contemporary Chemistry lecture series, organised at the UP Faculty of Science for the fourteenth time by chemist Pavel Hobza. Visitors could attend a presentation by geneticist Jaroslav Doleřel, chemist Radek Zbořil, and expert on drug development and molecular oncology Marián Hajdúch.

## APRIL

### UP launched French Centre

The UP French Centre was established in order to be the guarantor and instigator of Francophone events in Olomouc. Its ceremonial opening was attended by the Ambassador of the French Republic, Roland Galharague. The centre will build on the activities of its predecessor, which operated in Olomouc from 1991–2011.

## MAY

### Rector congratulated literary contest winners

In the UP Arts Centre, the winners of the UP Student Literary Contest received their prizes in the categories of Poetry and Prose. Winning students came from the Faculties of Arts, Sciences, and Education.

## JUNE

### Rector became Vice-President of Czech Rectors Conference

Jaroslav Miller was elected Vice-President of the Czech Rectors Conference.

### Faculty of Law and Czech Army strengthened cooperation

The UP Faculty of Law launched the Centre for International Humanitarian and Operational Law. The connection of the academic and military environment and the professional focus make it a unique institute in Central Europe.

## JULY

### UP and Papcel signed memorandum on cooperation

Palacký University contracted a strategic memorandum of cooperation with the Czech company Papcel. The aim is to cooperate in the development of joint educational and research activities in the field of paper chemistry, fabrics, materials, 3D printing and scanning, and wastewater treatment.

## AUGUST

### Summer schools hosted foreign students

Workshops and seminars for secondary school and university students from the Czech Republic and abroad were provided by UP summer schools. One of the most traditional ones is the Summer School of Slavonic Studies; other summer schools were focussed on medical law, education for citizenship, democracy and Europeanism, development cooperation, the legal protection of refugees, and diplomacy.

## SEPTEMBER

### EAIE Award for internationalisation

For excellence in internationalisation, UP received the prestigious 2019 EAIE Institutional Award, granted by the European Association for International Education.



↑ Academic planner from UPoint

### Optical scientists succeeded in a prestigious programme

Experts from the Department of Optics of the UP Faculty of Science succeeded in the QuantERA ERA-NET Cofund in Quantum Technologies grant programme with their projects focussed on quantum metrology, interconnection of quantum processors, and quantum tomography.

### OCTOBER

#### Important accreditation for medical faculty

The UP Faculty of Medicine and Dentistry was the first in the country to be granted accreditation from the Association of Medical Schools in Europe for its General Medicine programme, which confirms the high quality and European standards of medical studies in Olomouc.

### NOVEMBER

#### UP awarded national prize for social responsibility

Palacký University was awarded the National Prize of the Czech Republic for Social Responsibility. UP shared first place with the Technical University of Ostrava.

### Physical labs were modernised

Four laboratories of the UP Faculty of Science designed for the most demanding experiments in optical, material, nanotechnological, biochemical, and biophysical research were modernised thanks to a subsidy of €6.15 million.

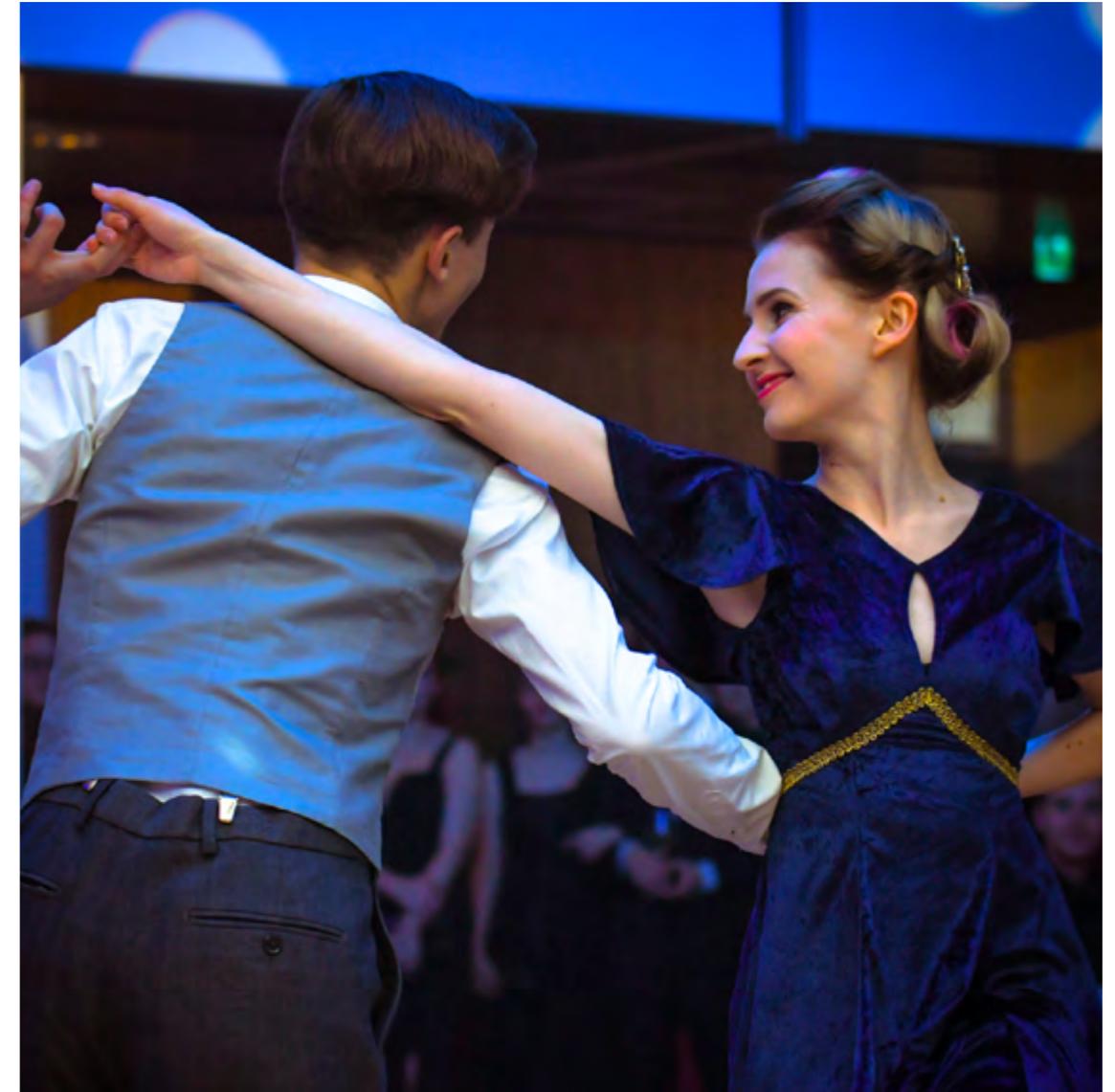
### DECEMBER

#### Students brought joy to seniors and children

For the fourth time, the UP project "Christmas for All" brought joy and gifts to seniors and patients from hospitals for the chronically ill, as well as to children with autism spectrum disorder from the JAN centre. The charitable non-profit project seeks to bring the spirit of Christmas to those who live alone and cannot spend Christmas with their loved ones.

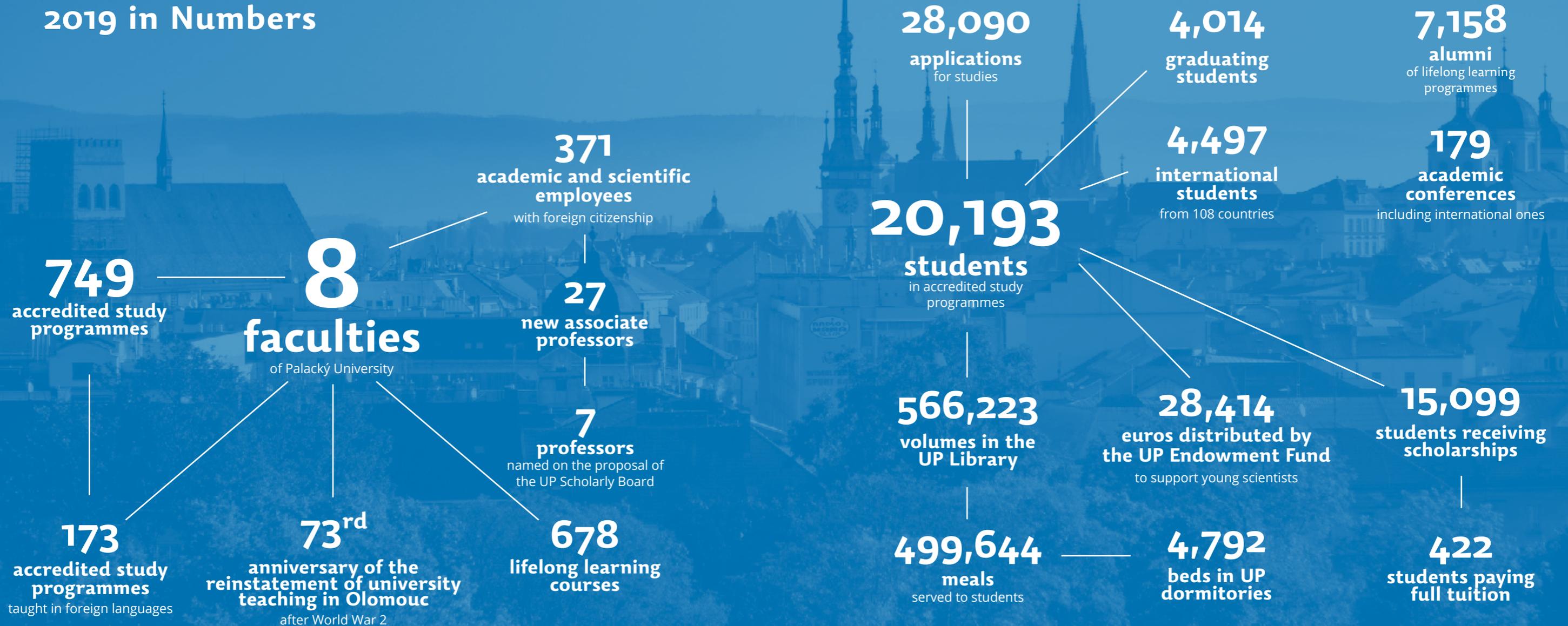
#### UP staff sold punch for charity

Palacký University took part in selling punch at the charity stand A Good Place to Live for the second time. The UP Rector then invited all UP employees and alumni for a cup of punch at the Armoury courtyard shortly before Christmas. ■



↑ Palacký University Ball

# 2019 in Numbers





← Palacký University did not miss the chance to take part in the Gaudeamus fairs.

## Applicants, Students, Alumni

## Applicants for study

**The number of applicants applying for study again exceeded the capacity of all eight faculties in 2019. The Study Office received 28,090 applications for Bachelor's, Master's, and doctoral studies. The top fields for applications have long been General Medicine, Psychology, Law, Dentistry, and Physiotherapy. The Faculties of Arts and Education had the highest number of applications as per usual.**

### UP at the largest university fairs

Palacký University was one of the five biggest exhibitors among universities at Gaudeamus university fairs in Brno and Prague as well as in neighbouring Nitra and Bratislava, Slovakia. Attendance at these events was more than 57,000 visitors. In 2019, the number of applications for studies submitted from Slovakia increased again compared to the previous year, as did the number of stops of the university PR team on tour at our eastern neighbour.

### Huge attendance at UP Open Days

Both in January and December, Open Days at UP had record attendance again. Future applicants arrived both on their own and with their parents in order to enjoy a special programme and a new UP mobile phone application, sumptuous lunches in the UP Dining Hall at student prices, and a punch in UPPoint.

### St-Art attracted hundreds of secondary school students

In September, the UP Communications Office chose an unconventional way to reach potential students. In cooperation with students from four high schools, it organised the multi-genre St-Art festival in the premises of the UP Arts Centre. Secondary school students had an opportunity to try their hand at production and provide the main features of the programme.

### New study programmes

The Faculty of Science newly offered Applied Mathematics and new specialisations of the Computer Science programme. The Faculty of Arts opened French Philology with a specialisation in Applied Economics, Italian Language and Culture, French, and Spanish Philology with a specialisation in Interpreting and Translation. The Faculty of Physical Education accepted its first students in the study programme Applied Physical Activities – Special Education, while the Faculty of Theology prepared Ethics and Culture in Media Communication, and the Faculty of Health Sciences opened Organisation and Management in Healthcare. ■



## Students

**In 2019 at Palacký University Olomouc, 749 study programmes in Czech and 173 programmes in other languages were accredited. A total of 20,193 students studied these programmes, with the highest numbers of students registered at the Faculties of Art, Education, and Science. There were 7,873 newly enrolled students.**

### Literary contest winner published his debut

UP student Adam Hošek launched his debut poetry collection *A na stromech les* (A Forest Atop the Trees), which was made possible by his third-consecutive victory in the UP Student Literary Contest and collaboration with the UP Press.

### Law student received the Olomouc Region Award

Luděk Plachký, a student at the Faculty of Law, succeeded in the 2019 Olomouc Region Awards for his contribution to the environment in the Air category. He was nominated for his activities focussed on legislative limits regarding air quality and their possible development.

### New students welcomed by MEET UP

MEET UP – a welcoming event not only for new students of the university – took place on the premises of the UP Arts Centre for the first time. Concerts, theatre performances, lectures, as well as interactive presentations of more than thirty student organisations and university departments were attended by more than two thousand visitors.

### Bronze medals for the UP ice hockey team

The ice hockey players of University Shields Olomouc returned with bronze medals from the Academic Championship of the Czech Republic. The team, which was later renamed HC Palacký University Olomouc, also had its second season in the European University Hockey League.

### Rector's Awards for Students

A total of 38 awards were given to students by Rector Jaroslav Miller during the ceremony. The presentation of the Rector's Awards for Students and honourable mentions to employees as authors of monographs is one of the traditional features in

the UP Academic Week programme, by which the university commemorates its re-establishment in February 1946.

### Blue is good!

The eighth year of the Donate Blood with the Rector event was held with this motto, referring to the university's colour. 122 students and university staff took part in the event to support volunteer blood donation; out of those, 113 made successful donations and 59 donated blood for the first time. During the year, almost 900 students and staff donated their vital fluid.

### Hundreds interested in Window into Practice

Hundreds of students were interested in the eleventh annual "Window into Practice" organised by the Faculty of Science – a meeting where students can get acquainted with job offers and internships. The event offered presentations by employers and panel discussions; students could try a mock job interview. ■



## Alumni

### Faculties hosted gold and diamond jubilees

At the third diamond graduation ceremony organised by the Faculty of Medicine and Dentistry, 22 doctors who graduated in 1959 received commemorative diplomas. At the gold graduation ceremony after 50 years, 47 former students of General Medicine and Dentistry took the solemn faculty oath once again. Other gold and diamond graduation ceremonies were also hosted by the Faculty of Science; these were attended by 65 alumni – not only from the Czech Republic, but also from Slovakia, Germany, and the United States. Gold graduation ceremonies also took place at the Faculties of Arts and Education.

### 811 students graduated from UP's U3A

UP's University of the Third Age (U3A) was successfully completed by 811 students. It is the oldest university of its kind in Czechia. It has branches in Uherské Hradiště, Valašské Meziříčí, Vyškov, and Šternberk.

### UP Alumni lecture series continued

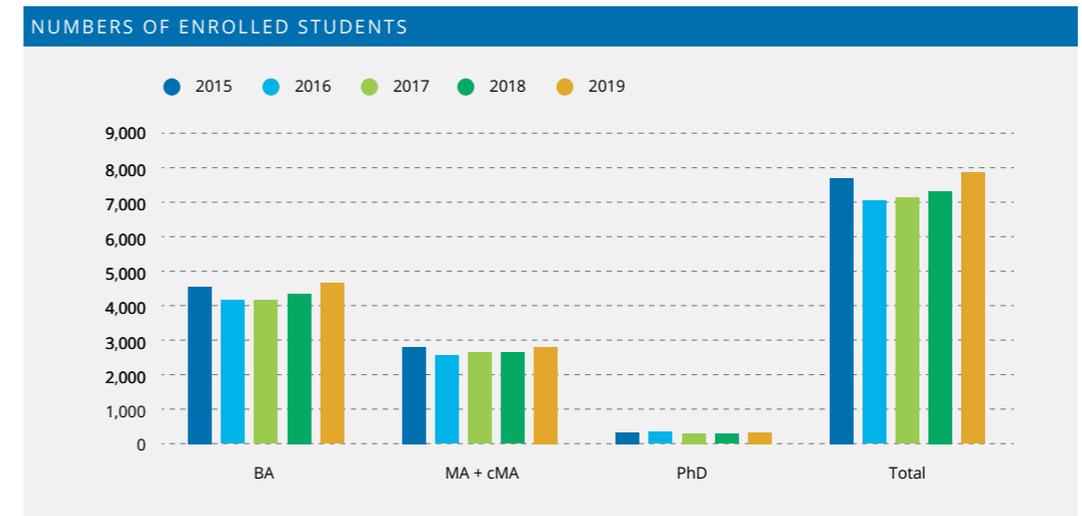
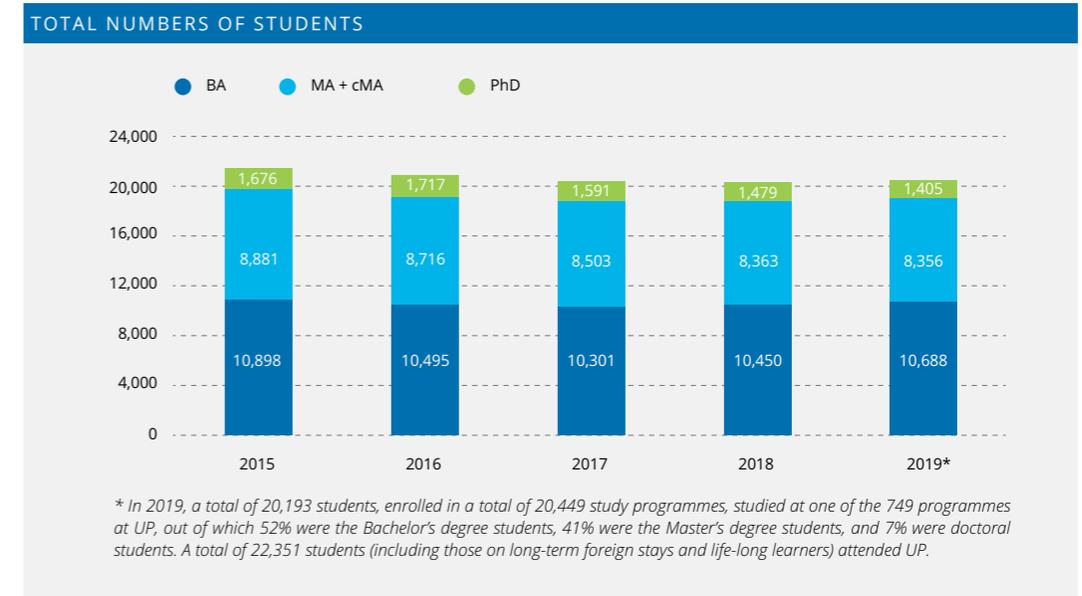
In 2019, lectures from the UP Alumni lecture series took place again. For example, photographer, documentary filmmaker, and humanitarian worker Jiří Pasz, a graduate of Humanitarian Aid at the Sts Cyril and Methodius Faculty of Theology, spoke on the topic of "Traveling Against Fear". ■

INTEREST IN STUDY (NUMBER OF APPLICATIONS, ADMITTED STUDENTS, AND ENROLLMENTS)													
Palacký University Olomouc		Bachelor's study (BA)			Master's study (MA)			Continuing Master's study (MA)			Doctoral study (PhD)		
ISCED-Fields of education	Code	Number of applications	Number of admitted stud.	Number of enrollments	Number of applications	Number of admitted stud.	Number of enrollments	Number of applications	Number of admitted stud.	Number of enrollments	Number of applications	Number of admitted stud.	Number of enrollments
Health and welfare	09	0	0	0	3,901	767	450	103	37	32	103	94	91
<b>FACULTY OF HEALTH SCIENCES</b>	1,508	417	269	0	0	0	457	161	112	7	3	3	
Health and welfare	09	1,508	417	269	0	0	0	457	161	112	7	3	3
<b>FACULTY OF ARTS</b>	5,567	1,327	1,327	0	0	0	1,191	477	474	155	86	77	
Education	01	314	91	91	0	0	0	133	49	49	4	2	1
Arts and humanities	02	2,735	775	775	0	0	0	592	275	275	92	58	51
Social sciences, journalism, information sciences	03	2,300	393	393	0	0	0	466	153	150	55	24	24
Business, administration and law	04	218	68	68	0	0	0	0	0	0	4	2	1
<b>FACULTY OF LAW</b>	360	122	55	1,333	520	284	68	49	47	47	28	25	
Business, administration and law	04	360	122	55	1,333	520	284	9	8	8	47	28	25
<b>STS CYRIL AND METHODIUS FACULTY OF THEOLOGY</b>	492	314	237	18	15	13	181	104	95	18	14	14	
Education	01	11	5	5	0	0	0	8	3	3	0	0	0
Social sciences, journalism, information sciences	03	0	0	0	0	0	0	0	0	0	16	13	13
Arts and humanities	02	67	51	44	18	15	13	17	12	11	2	1	1
Health and welfare	09	414	258	188	0	0	0	156	89	81	0	0	0

INTEREST IN STUDY (NUMBER OF APPLICATIONS, ADMITTED STUDENTS, AND ENROLLMENTS)													
Palacký University Olomouc		Bachelor's study (BA)			Master's study (MA)			Continuing Master's study (MA)			Doctoral study (PhD)		
ISCED-Fields of education	Code	Number of applications	Number of admitted stud.	Number of enrollments	Number of applications	Number of admitted stud.	Number of enrollments	Number of applications	Number of admitted stud.	Number of enrollments	Number of applications	Number of admitted stud.	Number of enrollments
Education	01	561	503	215	0	0	0	305	225	129	5	5	2
Social sciences, journalism, information sciences	03	174	174	83	0	0	0	1,041	302	101	5	5	4
Natural sciences, mathematics and statistics	05	1,833	1,483	686	0	0	0	223	168	107	71	66	60
Information and communication technologies	06	411	356	209	0	0	0	49	46	28	4	2	2
Health and welfare	07	32	30	16	0	0	0	8	6	3	4	3	3
Health and welfare	09	87	35	24	0	0	0	14	7	7	0	0	0
<b>FACULTY OF EDUCATION</b>	3,711	1,152	1,152	885	199	199	1,293	568	568	63	46	44	
Education	01	3,289	1,007	1,007	668	183	183	1,102	496	496	63	46	44
Natural sciences, mathematics and statistics	05	65	36	36	0	0	0	0	0	0	0	0	0
Health and welfare	09	357	109	109	217	16	16	185	71	71	0	0	0
<b>FACULTY OF PHYSICAL CULTURE</b>	1,299	516	381	0	0	0	486	287	233	17	12	12	
Education	01	279	113	89	0	0	0	99	64	52	0	0	0
Health and welfare	09	311	44	34	0	0	0	116	39	33	0	0	0
Services	10	709	359	258	0	0	0	271	184	148	17	12	12
<b>TOTAL</b>	<b>16,035</b>	<b>6,429</b>	<b>4,654</b>	<b>6,137</b>	<b>1,501</b>	<b>946</b>	<b>5,419</b>	<b>2,437</b>	<b>1,936</b>	<b>499</b>	<b>364</b>	<b>337</b>	

GRADUATES FROM ACCREDITED STUDY PROGRAMMES (NUMBERS)										
Palacký University Olomouc		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
ISCED-Fields of education	Code	*FT	**C/D	FT	C/D	FT	C/D	FT	C/D	
Education	01	290	175	97	35	186	176	12	9	980
Arts and humanities	02	390	27	6	0	233	13	18	7	694
Social sciences, journalism, information sciences	03	96	65	0	0	180	41	10	10	402
Business, administration and law	04	30		172		1	0	5	2	210
Natural sciences, mathematics and statistics	05	327	7	0	0	170	1	50	2	557
Information and communication technologies	06	33	5	0	0	14	0	1	0	53
Engineering, manufacturing and construction	07	20	0	0	0	5	0	0	0	25
Health and welfare	09	221	62	309	0	104	58	15	21	790
Services	10	134	33	0	0	65	69	2	0	303
<b>TOTAL</b>		<b>1,541</b>	<b>374</b>	<b>584</b>	<b>35</b>	<b>958</b>	<b>358</b>	<b>113</b>	<b>51</b>	<b>4,014</b>

\*FT = Full-time, \*\*C/D = Combined / Distance



ACCREDITED STUDY PROGRAMMES (NUMBERS)										
Palacký University Olomouc		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
ISCED-Fields of study	Code	FT*	C/D**	FT	C/D	FT	C/D	FT	C/D	
<b>FACULTY OF MEDICINE AND DENTISTRY</b>										
Health and welfare	09	0	0	4	0	1	1	27	27	<b>60</b>
<b>FACULTY OF HEALTH SCIENCES</b>										
Education	01	0	0	0	0	1	1	0	0	<b>2</b>
Health and welfare	09	8	2	0	0	3	2	2	2	<b>19</b>
<b>FACULTY OF ARTS</b>										
Education	01	2	3	0	0	2	2	4	4	<b>17</b>
Arts and humanities	02	43	6	0	0	36	4	28	28	<b>145</b>
Social sciences, journalism and information	03	14	7	0	0	11	3	8	8	<b>51</b>
Business, administration and law	04	1	0	0	0	0	0	1	1	<b>3</b>
<b>FACULTY OF LAW</b>										
Social sciences, journalism and information	03	0	0	0	0	1	0	0	0	<b>1</b>
Business, administration and law	04	2	0	2	0	2	0	3	2	<b>11</b>
<b>STS CYRIL AND METHODIUS FACULTY OF THEOLOGY</b>										
Education	01	2	4	0	0	3	4			<b>13</b>
Arts and humanities	02	3	3	2	0	2	2	6	6	<b>24</b>
Social sciences, journalism and information	03	0	0	0	0	0	0	1	1	<b>2</b>
Health and welfare	09	3	2	0	0	2	2	1	1	<b>11</b>

\*FT = Full-time, \*\*C/D = Combined / Distance

ACCREDITED STUDY PROGRAMMES (NUMBERS)										
Palacký University Olomouc		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
ISCED-Fields of study	Code	FT*	C/D**	FT	C/D	FT	C/D	FT	C/D	
<b>FACULTY OF SCIENCE</b>										
Education	01	9	3	0	0	9	4	3	3	<b>31</b>
Arts and humanities	02	0	0	0	0	1	1	1	1	<b>4</b>
Natural sciences, mathematics and statistics	05	29	5	0	0	24	5	45	43	<b>151</b>
Information and communication technologies	06	4	3	0	0	3	0	3	3	<b>16</b>
Engineering, manufacturing and construction	07	1	0	0	0	2	0	2	2	<b>7</b>
Health and welfare	09	1	0	0	0	1	0	0	0	<b>2</b>
<b>FACULTY OF EDUCATION</b>										
Education	01	21	18	6	6	23	19	16	16	<b>125</b>
Arts and humanities	02	1	0	0	0	1	1	0	0	<b>3</b>
Natural sciences, mathematics and statistics	05	1	1	0	0	0	0	1	1	<b>4</b>
Health and welfare	09	3	3	1	0	2	3	0	0	<b>12</b>
<b>FACULTY OF PHYSICAL CULTURE</b>										
Education	01	5	4	0	0	5	4	0	0	<b>18</b>
Health and welfare	09	1	0	0	0	2	0	0	0	<b>3</b>
Services	10	2	3	0	0	2	3	2	2	<b>14</b>
<b>TOTAL</b>		<b>156</b>	<b>67</b>	<b>15</b>	<b>6</b>	<b>139</b>	<b>61</b>	<b>154</b>	<b>151</b>	<b>749</b>



## Endowment Fund, Career Centre

### UP Endowment Fund makes young scientists' dreams come true

To do an internship at famous world scientific centres, to conduct research at prestigious foreign universities, the possibility of managing your own project, the opportunity to try working in international teams - all these can be experienced by students whose projects are supported by the UP Endowment Fund (UP EF).

In 2019, the UP EF entered its fifth year of existence; since 2015 it has distributed over €140 thousand among 42 students, who have travelled on 32 international study/research stays. Students can receive a maximum of €7,600; the amount of support and the selection of recipients are decided by a five-member Board of Trustees. The support is effective and non-bureaucratic. "The fund's mission is based on the conviction that the motivation and creativity of young people and their desire for knowledge are

symbolic venture capital, which is necessary to foster and further develop," said UP Rector and Board of Trustees chairman Jaroslav Miller.

The Endowment Fund, thanks to its partnership with Česká spořitelna (Czech Savings Bank), received a donation of €4,000 in 2019. Thanks also go to other donors, who include UP employees, students, alumni, and a number of significant personalities, not only from the academic sphere.

### Eight new talents

Eight students received support for their research from the UP EF in 2019. They were chosen from 16 quality applicants. The Fund distributed €28,500 among the chosen students. Criteria for selection included contributions to the field, international impact of the project, and the ability of the applicant to describe the merits of their plan.

### Unique campaign

The Fund ended its pilot phase of the campaign Donate Opportunity, which was aimed at UP alumni and supporters. It gained the trust and financial support of many personalities in the worlds of science, IT, medicine, law, fine art, journalism, and business. In the context of Czech universities, the campaign is the unique result of programmes aimed at building relationships with alumni. Due to it, the Endowment Fund received almost €38,000. The Donors' Club, i.e. supporters who donated more than 10,000 CZK (€400), was joined by 23 UP alumni. ■

#### THE UP ENDOWMENT FUND BOARD OF TRUSTEES IS MADE UP OF:

- **prof. Mgr. Jaroslav Miller, M.A., Ph.D.**  
UP Rector and Chairman of the EF Board of Trustees
- **Mgr. Kateřina Sommerová**  
Project Manager for University Cooperation at Česká spořitelna
- **prof. PhDr. Zdeněk Pechal, CSc.**  
Dean of the UP Faculty of Arts
- **Mgr. Boris Cvek, Ph.D.**  
Olomouc University Social Health Institute, UP Sts Cyril and Methodius Theological Faculty
- **Ing. Pavel Jörka, MBA**  
Director of the Regional Corporate Centre of Česká spořitelna in Olomouc

## Supported students

### KATEŘINA AUGUSTINOVÁ

#### UP FACULTY OF LAW

Unlike other types of literacy, legal literacy is a very neglected topic in the Czech Republic. The project does not aim at solving specific cases of people in a debt trap, but seeks to map the level of legal literacy and to propose strategies and methodological materials for increasing legal literacy in teaching, which would be used in the Czech Republic by teachers of civics and social sciences. The results will be presented to primary and secondary school teachers.

► CONTRIBUTION FROM UP EF: €4,900

### PETRA ŠVECOVÁ

#### UP FACULTY OF SCIENCE

The aim is to study the interactions between nanoparticles at the level of one nanoparticle. The syntheses will take place at a collaborating department at the Sorbonne in Paris. These will be followed by the study of interactions between nanoparticles in different environments using CE-ICP-MS in a mode enabling the detection of individual nanoparticles. The contribution of this study is considerable because it will reflect far more about the nanoparticles' own surface chemistry.

► CONTRIBUTION FROM UP EF: €4,100

### DOROTA KONÍČKOVÁ

#### UP FACULTY OF SCIENCE

The project focusses on the effect of herbicides on the homeostasis of phytohormones and its main

#### MAJOR ACHIEVEMENTS OF THE UP EF IN 2019:

- 8 supported projects
- Introducing the projects at AFO 2019 in the attractive PechaKucha form
- Presentation at the 2019 UP Majáles Student May Celebrations
- Held a Christmas meeting of supported students and donors with the UP Rector
- Organisation of educational activities for supported students, aimed at popularising science and leadership

goal is to study the modulation of plant growth and development using substances derived from plant hormones. The student will travel for a two-month internship to the prestigious Umeå Plant Science Centre in Sweden. The benefits of the project in the field of agriculture and breeding may bring about a reduction of herbicides.

► CONTRIBUTION FROM UP EF: €3,050

### EVA MARKOVÁ

#### UP FACULTY OF EDUCATION

Thanks to the support of the fund, the student will participate in a conference and workshop at the U.S. institute The Frost Place in order to show teachers and their students that when reading a poem it is not necessary to reveal what the poet

wanted to say, but what the given text tells us. Czech didactics can provide precise tools for text analysis.

► CONTRIBUTION FROM UP EF: €2,700

### FRANTIŠEK ZÁLEŠÁK

UP FACULTY OF SCIENCE

The aim of the project is to develop a method using an alternative to hazardous diazo compounds, used as substrates in transition-metal-catalysed reactions. The newly developed reagent will then be used in the development of new chemical libraries of small organic substances. Thanks to the UP EF support, the student will spend three months in the laboratory of Prof Cristina Nevado in Zurich. The time spent in the laboratory will help him gain experience and knowledge and make new contacts.

► CONTRIBUTION FROM UP EF: €5,000

### KAMILA BANÁTOVÁ

UP FACULTY OF PHYSICAL CULTURE

The project focusses on motor deficits that negatively affect the child's psychosocial development, including a proven higher incidence of anxiety and depression, behavioural and attention disorders, as well as health consequences in the form of being overweight, obesity, and reduced fitness. The aim is to adapt the screening tool Inventory MABC-2, used to detect motor difficulties of children aged 5-12, to the environment of Czech primary schools. The project will present an opportunity to offer a tool that could be used in paediatric, psychodiagnostic, physiotherapeutic, and educational practice.

► CONTRIBUTION FROM UP EF: €1,900

### OTOMAR PEŠKO

UP FACULTY OF SCIENCE

Microscopic tardigrades are one of the most resistant organisms on the Earth – they can survive extreme temperatures and high doses of radiation. The mechanism of these abilities has not yet been satisfactorily explained. Modern methods capable of comprehensively monitoring changes in gene expression could contribute to their clarification. Thanks to the support of UP EF, a molecular study of the effects of oxidative stress on *H. dujardini* sp. will be made, which will help to gain insight into the defence mechanisms of this organism.

► CONTRIBUTION FROM UP EF: €4,850

### KRISTÝNA JANEČKOVÁ

UP FACULTY OF PHYSICAL CULTURE

Awareness of one's own meaning of life is considered a dominant predictor of mental health and positively correlates with the quality of life. Performing regular physical activities as well as sports at the professional level contributes to increasing the meaningfulness of life. The aim of the project is to deepen the cooperation with Prof Tatiana Schnell from the University of Innsbruck to develop the existing work on the adaptation of the SoMe questionnaire into a Czech version (ZdroSmy), and to facilitate its application to the sporting population.

► CONTRIBUTION FROM UP EF: €1,950



↑ Students supported by the UP Endowment Fund

## UP Career Centre

The UP Career Centre provides students primarily with consultations in the area of career advice, coaching, developmental courses, training and workshops, meetings with employers, conferences, on-line advice, and other activities aimed at increasing the applicability of alumni onto the labour market. It helps students find temporary jobs and internships. It helps graduates to find employment. It organises a job fair. It also informs students of the other counselling centres which are operating at individual faculties. In addition, it offers the opportunity for collaboration to organisations and employers throughout the Czech Republic. It was founded in 2015 thanks to a project of the Czech Ministry of Education and the support of Česká spořitelna. The service is also supported by the Olomouc Region. ■

### UP CAREER CENTRE IN 2019:

- listed 1,316 students, cooperated with 327 firms, held 37 events
- provided 252 hours of individualised career counselling/coaching
- organised courses Enter!Prise, DigiUP, on financial and legal literacy, a webinar on time management, a career day with the Czech Police, a lecture DigiDetox, and more
- conducted workshops for the UP Endowment Fund, meetings with UP alumni, educational lectures in the fields of law, sports, CV checking, professional photo portrait sessions, and a LinkedIn workshop
- provided students with the Ambassador Programme
- promoted the possibility of advertising job positions, internships, and volunteer opportunities at [www.kariemikum.upol.cz](http://www.kariemikum.upol.cz).
- provided C.O.A.C.H. certified training for centre employees



← UP Deans Inauguration

## Changes in Leadership and New Professors

### Four faculties have new deans

New faces in the Dean's chair were one of the most-watched events of 2019. For the next four years, four out of the eight UP faculties will have new or re-elected faces: the Faculties of Theology, Medicine, Law, and Health Sciences. Seven new full professors were named, and UP named 27 new associate professors.

## Two deans took their ceremonial oaths

In the Archbishop's Palace in Olomouc, newly elected deans of the UP Faculties of Theology and Medicine ceremonially accepted their functions.

In February 2019, Peter Tavel became Dean of the Sts Cyril and Methodius Faculty of Theology, after the Vatican's Congregation for Catholic Education gave its formal approval to his nomination in September 2018.

In October 2019, Josef Zdražil was elected Dean of the Faculty of Medicine and Dentistry, replacing Milan Kolář, who had two terms as dean. Zdražil had taken over the office pro tem in June 2019.



↑ Dean Josef Zdražil



**PETER TAVEL**  
DEAN OF UP CMFT

He graduated from the Technology University of Košice (Slovakia) and in Psychology and Theology at Palacký University. He was trained in psychotherapy in education and in education aimed at palliative care and accompanying dying patients. He is a Professor of Clinical Psychology. He is also Head of the Olomouc University Social Health Institute (OUSHI). He was first elected dean in March 2014.



**JOSEF ZADRAŽIL**  
DEAN OF UP FMD

A leading Czech nephrologist, Professor of Internal Diseases, and graduate of the UP FMD. Since 1988, he has been head doctor of the Division of Nephrology at the Department of Internal Medicine III of the UP FMD and UHO, and since 2012 he has been head of the entire department. He specialises in the development of organ transplantology, pathogenesis and treatment for chronic rejection, examination methods in nephrology, and treatment of immunosuppression.

## Václav Stehlík chosen Dean of the Faculty of Law

Václav Stehlík, Head of the Department of International and European Law, was elected Dean of the Faculty of Law, with his post starting in January 2020. He will become the faculty's sixth dean since the department's re-establishment in 1991.



**VÁCLAV STEHLÍK**  
DEAN OF UP FL

Since his graduation from the UP Faculty of Law, he has worked his way up at the Department of International and European Law as a lecturer, assistant professor, associate professor, and department chair. He also has a Master's degree in English from the UP Faculty of Arts and a Master of Laws degree from the University of London in European Union Law. In 2015, he was made a Jean Monnet Chair by the European Commission in the field of EU Law.

## Martin Procházka elected Dean of UP FHS

Martin Procházka, the new Dean of the Faculty of Health Sciences, accepted his nomination decree from the UP rector at the end of October and began his tenure as dean on 1 November. Elections for dean were held after Jaroslav Vomáčka, who began his second term as dean in March 2017, withdrew from his post in the summer of 2019 for health reasons.



**MARTIN PROCHÁZKA**  
DEAN OF UP FHS

A graduate of the UP Faculty of Medicine and Dentistry, he is currently Professor of Gynaecology and Obstetrics and Head of the Department of Midwifery at UP FHS and the Department of Medical Genetics at UP FMD and UHO. He specialises in maternal-foetal medicine and medical genetics.

## New professors at UP

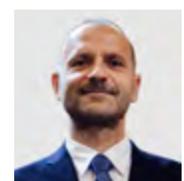
Palacký University proposed the appointment of 7 new candidates for full professor in 2019; UP itself was granted 6 new full professors.

In June 2019, Czech Minister of Education Robert Plaga appointed 63 new full professors; 4 of them on the basis of recommendations from the UP Scholarly Board. They were Miroslav Ovečka from the Centre of the Region Haná for Biotechnological and Agricultural Research, and Martin Hutyra, František Mrázek, and Jan Václavík from the UP Faculty of Medicine and Dentistry (UP FMD) and University Hospital Olomouc (UHO). And historian Petr Kaleta of Masaryk University was appointed full professor upon the recommendation of the UP Scholarly Board.

In December 2019, the President of the Czech Republic signed 69 appointment decrees. Among them were three new full professors at UP: philosopher Tomáš Nejeschleba, haematologist Vít Procházka, and geographer Marián Halás of the UP Faculty of Science – the latter nominated by the University of Ostrava.

### PROF MIROSLAV OVEČKA, PHD

UP FACULTY OF SCIENCE



He works at the Department of Cellular Biology at the Centre for the Region Haná for Biotechnological and Agricultural Research. For more than 25 years he has been specialising in plant biology, especially on questions of polarity, morphogenesis, cell division, and cellular differentiation. He was named Professor of Molecular and Cellular Biology.

### PROF MARIÁN HALÁS, PHD

UP FACULTY OF SCIENCE



Head of the Department of Geography at the UP Faculty of Science, he is a graduate of Comenius University in Bratislava. He has been at UP since 2006 and specialises in residential and regional systems and spatial administration and planning. He was nominated by the University of Ostrava and named Professor of Political and Cultural Geography.

### PROF TOMÁŠ NEJESCHLEBA, PHD

UP FACULTY OF ARTS



Head of the Department of Philosophy, he specialises in the Middle Ages, and his professional interests extend to the study of Renaissance and Early Modern Philosophy; he also took part in the founding of the Centre for Renaissance Texts. He was named Professor of Philosophy.

### PROF VÍT PROCHÁZKA, PHD

UP FACULTY OF MEDICINE AND DENTISTRY



He has been based at the Department of Hemato-Oncology of UP FMD and UHO as a doctor, teacher, and researcher. He specialises in clinical and biological predictive factors in malignant

lymphomas. He is the author of one monograph and co-author of four monographs; he was awarded the 2015 and 2018 UP FMD Dean's Awards for his work. He was named Professor of Internal Diseases.

### PROF MARTIN HUTYRA, PHD

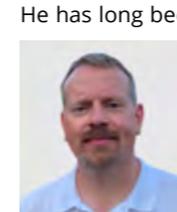
UP FACULTY OF MEDICINE AND DENTISTRY



He is based at the Department of Internal Medicine I – Cardiology, UP FMD and University Hospital Olomouc, where he specialises in acute cardiology, intensive care in cardiology, imaging methods of the cardiovascular system, and pulmonary circulation. He is the head doctor at the UHO Intensive Care Unit for Cardiology and the Centre for Pulmonary Hypertension. He was named Professor of Internal Diseases.

### PROF FRANTIŠEK MRÁZEK, PHD

UP FACULTY OF MEDICINE AND DENTISTRY



He has long been affiliated with the Department of Immunology, UP FMD and University Hospital Olomouc, where he had previously been named Associate Professor; he has specialisation in Clinical Immunology and also European Specialisation for Histocompatibility and Immunogenetics (ESHI) diploma. He is the head of the HLA laboratory, where he focusses on tissue compatibility in transplantation. He was named Professor of Medical Immunology.

### PROF JAN VÁCLAVÍK, PHD

UP FACULTY OF MEDICINE AND DENTISTRY



He works at the Department of Internal Medicine I – Cardiology, UP FMD and UHO, where he specialises in arterial hypertension, and is also the head doctor at the Centre for Diagnostics and Treatment of Hypertension. He is the recipient of the Dean's Award at UP FMD and the Discovery Award for young, innovative scientists. He was named Professor of Internal Diseases.

## UP has three new professors emeriti

During the occasion of granting the title of associate professors, Jiří Rachůnek, Jan Peřina, and Richard Pastorek from the Faculty of Science were also named professors emeriti. They accepted the honour as an expression of recognition of their personal as well as professional qualities. ■



† Professors Emeriti Jiří Rachůnek, Jan Peřina, and Richard Pastorek



← Astronaut Andrew Feustel at Palacký University Olomouc.

## World-renowned Personalities at UP

Palacký University and its workplaces have long been working in cooperation with the Czech and international academic elite. Many famous personalities thus travel to Olomouc as guests of the university. In 2019, for example, experienced U.S. astronaut Andrew Feustel, chemists Matthias Beller and Kyle Lancaster, and biologist Daniel A. Jacobson came to lecture at the Czech Republic's second-oldest university.

### Astronaut Andrew Feustel visited UP

Palacký University Olomouc hosted American astronaut Andrew Feustel, who was awarded a commemorative medal for the popularisation of science and the Czech Republic abroad. The astronaut gave two lectures in Olomouc for both students and the public. He visited the city and the university in the company of his wife, who has Czech roots.



↑ Andrew Feustel also visited Fort Science in Olomouc.

#### THE STORY OF AN ASTRONAUT, OR THE CZECH FOOTPRINT IN SPACE

Andrew Feustel visited the Czech Republic for the first time in 2009 after his mission in the Atlantis space shuttle to the Hubble Space Telescope, during which he brought to space, among other things, a copy of Jan Neruda's *Cosmic Songs*.

In 2011, he took with him a hand puppet of Zdeněk Miler's Little Mole on the mission in the space shuttle Endeavour to the International Space Station. In the educational programme *Into Space with Little Mole*, Feustel informed his audience about his third mission in 2018, when the astronaut spent over six months in the space station. This time the Little Mole astronaut had to travel with him in a smaller version. Feustel also took with him a drawing, *Moon Landscape*, which was made by a Jewish boy, thirteen-year-old Petr Ginz, in the Theresienstadt ghetto and concentration camp in 1942.

### Kyle Lancaster spoke about nitrogen fixation

Keynote speakers at the conference Plant Biotechnology: Green for Good V included Kyle Lancaster of Cornell University, whose work deals with nitrogen fixation in soil. The introductory lecture of the conference was held by Nils Stein, an expert in sequencing cereal genomes.

### Barry M. Popkin spoke at a conference on healthy lifestyle

Nutrition and obesity specialist Barry M. Popkin of the University of North Carolina lectured at the International Society of Behavioral Nutrition and Physical Activity (ISBNPA) conference, co-organised by the Faculty of Physical Education. The conference



↑ Matthias Beller is one of the most prominent experts on catalysis.

focused on nutrition and current challenges in health and active lifestyle challenges and was attended by 1,300 professionals. Popkin is the director of the Interdisciplinary Center for Obesity and the author of the book *The World is Fat*.

### Matthias Beller lectured on catalysis

Matthias Beller, an expert in chemical catalysis and organic and organometallic chemistry from the Leibniz Institute for Catalysis in Rostock, Germany, spoke about the key role of catalysis in

sustainable development within the Rudolf Zahradník Lecture Series. During the lecture, he explained how catalytic processes can contribute to ensuring a higher quality of life, sufficient food supply, obtaining cleaner energy, and developing new materials.

### Geographer Paul Longley lectured at UP Summer School

Paul Longley from University College London, author of the bestseller *Geographic Information Science and Systems* and one of the world's top ten geographic

information scientists, accepted an invitation to the Geospatial Summer School, which focussed on the urban environment and the creation of geographic information projects.

### Lecture series hosted Daniel Stach

In the auditorium of the Faculty of Education, Daniel Stach, host of the Czech Television program Hyde Park Civilisation and the youngest laureate of the Vojtěch Náprstek Medal for merit in the popularisation of science, debated in the series of lectures The World of Media in the 21<sup>st</sup> Century. The cycle focussed on key media topics.

### Debating Daniel A. Jacobson at Eucarpia Leafy Vegetables

American biologist Daniel A. Jacobson from the Oak Ridge National Laboratory in Knoxville, a leading integrative biologist and expert in systems biology,

was one of the keynote guests at the 2019 Eucarpia Leafy Vegetables International Conference, where experts from 22 countries discussed the latest trends in genetics and breeding of leafy vegetables. The event was co-organised by the Department of Botany, UP Faculty of Science.

### Music therapy introduced by Karin Schumacher

Karin Schumacher, Professor at Berlin University of the Arts, gave lectures and practical seminars on music therapy for people with autism spectrum disorders to Faculty of Education students. During the visit, she introduced the students to various aspects of music therapy work.

### Chemist Sarıçiftçi again visited RCPTM

Renowned physical chemist Niyazi Serdar Sarıçiftçi from Johann Kepler University in Linz visited the

Regional Centre for Advanced Technologies and Materials of the Faculty of Science with his colleagues. During the visit, he gave a lecture and discussed further cooperation.

### Prof Brinkhorst on EU common values

The former Dutch minister, diplomat, and academic professor Laurens Jan Brinkhorst spoke about the importance of the rule of law. His lecture "The European Union: Common Values in a Changing World" was presented within the auspices of Leiden University's Cleveringa Lecture Series.

### Eliška Wagnerová gave the J.L. Fischer lecture

Lawyer and judge Eliška Wagnerová spoke at UP about constitutional order and its changes. Her presentation took place as part of the traditional

Annual Lecture organised to honour the first rector of the re-established university in Olomouc, J.L. Fischer.

### Agnès Rico attended conference on aggregation functions

Among the invited speakers of the Summer School on Aggregation Operators (AGOP) was one of the leading figures in research into the mathematical theory of aggregation functions, Agnès Rico of the University of Claude Bernard Lyon.

### UP visited by Dutch Ambassador

The university was visited by Kees Jan René Klompenhouwer, Ambassador of the Kingdom of the Netherlands. He spoke with Rector Jaroslav Miller and Head of the Department of Dutch Studies, Wilken Engelbrecht, about lectures honouring Rudolph Cleveringa. ■



↑ Daniel Stach



↑ Niyazi Serdar Sarıçiftçi (third from the left)



↑ Laurens Jan Brinkhorst



↑ Eliška Wagnerová

## Awards

**Palacký University Olomouc received two prominent awards in 2019. UP won the National Prize of the Czech Republic for Social Responsibility in the category of public sector organisation, and the prestigious European Association for International Education Award for outstanding results in internationalisation. UP academics and scientists also received awards of import.**

### Minister's award for Professor Gallo's team

Czech Minister of Health Adam Vojtěch awarded prizes for extraordinary results in medical research. The project "Technologies of nano-tubes and nano-silver for antibacterial surface treatment of orthopaedic implants", realised by a team of experts led by Prof Jiří Gallo from the UP Faculty of Medicine and Dentistry, was also awarded.

### Prestigious prize for internationalisation

For excellence in internationalisation, UP received the prestigious 2019 EAIE Institutional Award, granted by the European Association for International Education. EAIE selects the university with the best internationalisation strategy and results once a year. The prize can be awarded to any European university.

### UP awarded for social responsibility

Palacký University was awarded the National Prize of the Czech Republic for Social Responsibility in the category of large and medium-sized public sector organisations. UP enrolled in the programme to find out how it stands in competition with other schools in fulfilling the third role of the university – working for the benefit of society. UP took first place, shared with the Technical University of Ostrava. In addition, the victory includes being granted the internationally



↑ The EAIE Award was received in Helsinki by Rector Jaroslav Miller and Vice-Rector Martin Kudláček.



↑ Tomáš Pluháček

recognised Committed to Sustainability Award and the inclusion of UP in the database of the European Foundation for Quality Management.

### Tomáš Pluháček received the Shimadzu Award

Searching for serious criminals using a firearm could be facilitated by a unique method of detection and classification of post-firing residues on fingerprints, for which its author Tomáš Pluháček from the Faculty of Science won the prestigious Shimadzu Award for young scientists under 35. Thanks to the new method, it is possible to find out precisely and relatively quickly in the laboratory and in the fingerprint database who pulled the trigger of the firearm.

### Austrian prize for Olomouc Jewish Studies

The Kurt and Ursula Schubert Center of Jewish Studies at the UP Faculty of Arts and its founder, Professor of German Studies Ingeborg Fialová, received the Kurt Schubert Memorial Award for interreligious dialogue. The award was granted for the sixth time by the Forum for World Religions in Austria; this was the first time it was given to laureates from abroad.

### Milan Navrátil received Mendel University medal

Prof Milan Navrátil of the Department of Cell Biology and Genetics, UP Faculty of Science, received the Medal of the Faculty of Horticulture at Mendel University in Brno for his study of genetic variability and biological diversity of plant viruses. The results of his research are used in practice, such as in the detection of the plum pox virus.

### Petr Žižka won the Edvard Beneš Award

Petr Žižka, a graduate of the Department of History at the Faculty of Arts, won the Edvard Beneš Prize, Honourable Mention in History. He received the prestigious award for his Master's thesis entitled "Czechoslovak Ground Staff No. 8311 Servicing Echelon". ■



## Science & Research at UP

### Fully sequenced pea genome and new anticancer agents

Due to its quality of science, research, and creative output, Palacký University Olomouc has been consistently one of the foremost universities in the Czech Republic. This has been made evident by the amount of public monies allocated to UP, including support for specific research and finances for development. A major achievement in 2019 was UP's contribution to the full pea genome sequencing, development of anticancer agents, and more resilient wheat varieties. UP also received the financial means necessary for applying scientific findings into practice.



↑ Prof Jaroslav Doležel at the flow cytometer

### RCPTM has invested €11 million in development

The Regional Centre for Advanced Technologies and Materials (RCPTM) of the Faculty of Science completed the implementation of a project from the National Sustainability Programme. Thanks to it, RCPTM received a subsidy of almost €11 million for the development of research infrastructure. This helped them to obtain 25 patents and publish over 1,400 articles in impact journals. The instrumentation was expanded with a scanning tunnelling microscope, electron spin resonance spectrometer, and supercritical fluid chromatograph.

### Pea genome sequenced

Scientists from the Olomouc laboratory of the Institute of Experimental Botany at the Czech Academy of Sciences, which is part of the Centre of the Region Haná for Biotechnological and Agricultural Research (CRH), were part of an international team that has sequenced the common pea genome. Sequencing the pea genome, which is one-third larger than the human genome, will contribute to breeding new varieties of this important crop. Plant geneticists were also the first in the world to describe the function of two genes in *Arabidopsis* (thale cress).



↑ Aleš Pečinka led the team of scientists who studied the genes of *Arabidopsis* (thale cress).

### Chemists developed complexes with anticancer effects

Tantalum complexes could aid in combatting tumorous diseases. RCPTM scientists developed complexes of this metal which show significant anticancer effects and reduced toxicity against healthy cells.

### Accelerating chemical reactions

A unique method that can accelerate diverse chemical reactions in food, chemical, and pharmaceutical industries, was developed by scientists from the Regional Centre of Advanced Technologies and Materials (RCPTM) in cooperation with Italian

colleagues from the University of Trieste. The novel accelerators of the reactions (catalysts) are single atoms of metals firmly anchored to a carbon material based on a graphene platform. The arrangement reduces both amounts needed of metals and production costs.

### Czech children suffer from lack of movement

Czech children suffer from a lack of natural movement, they do not play outside, and spend most of their free time sitting – despite the fact that 62 percent of adolescents are engaged in organised sports. These are the conclusions of the international



↑ *Lithobius matulici* centipede

research project Global Matrix on Physical Activity for Children and Youth, in which experts from the Faculty of Physical Culture also participated. According to the HBSC study data, more than one fifth of Czech school children are overweight or obese. The study also examined the schoolchildren's online life, alcohol consumption, smoking, and nutrition.

### Centipedes diving for food

Some species of centipedes seem to actively spend a considerable part of their lives underwater, where they have interesting opportunities for hunting. This was revealed through observations of speleologists, who found *Lithobius matulici* centipedes in flooded caves. Experts from the UP Faculty of Science, the

Hungarian Natural History Museum, and Loránd Eötvös University collaborated on the study.

### Portal with important health topics

The Health Talks web portal of the Sts Cyril and Methodius Faculty of Theology mediates important topics to the public, such as the testimonies of women diagnosed with breast cancer, the experiences of terminally ill patients in palliative care, and parents of children with epilepsy.

### Discovery of a unique luminous click beetle

A unique bioluminescent click beetle was discovered by a team of scientists in a subtropical forest in

China. It was named *Sinopyrophorus schimmeli* and according to experts it represents not only a new species and genus, but also a unique, unknown developmental branch of click beetles. Robin Kundrata from the Faculty of Science participated in the study.

### Interactions of graphene and algae described

Researchers from RCPTM in collaboration with their colleagues from the Institute of Botany of the Czech Academy of Sciences shed light on the potential negative impact of carbon nanomaterials on the microorganisms present in aqueous environments. They confirmed that chemically modified graphene can change into "nano-blades" which harm algae in water. However, it was found that these unicellular organisms can build, over time, an effective chemical defence against it.

### Scientists extended spectrum of anticancer agents

A new group of complex compounds with significant anticancer effects were developed at the RCPTM. Scientists used gold to prepare organometallic anticancer compounds. The new substances are significantly more effective than the most currently used complex drug cisplatin.

### Wheat enriched by the genes of wild relatives

It will be easier to breed better and more resistant varieties of wheat thanks to the research of its wild predecessors in the laboratory of the Institute of

Experimental Botany of the Czech Academy of Sciences. Scientists have been able to compile a map of the *Aegilops* (goatgrass) genome. The discovery, in which scientist István Molnár participated, was supported by a grant from Marie Skłodowska-Curie Actions.

### Three representatives in Highly Cited Researchers

Three UP scientists appeared in 2019 Highly Cited Researchers. Analytical chemist and phytochemist Ondřej Novák (CRH) and chemists Rajender Varma and Radek Zbořil (both RCPTM) repeatedly reached the top 1% of the world's most cited scientists.

### More than six-thousand-year-old cave drawing

Martin Golec from the Department of History contributed to the finding that Catherine's Cave in the Moravian Karst contains the oldest cave drawing in the Czech Republic. The origin of the geometrical patterns, made by charcoal on the walls, was determined by radiocarbon dating to be 6,200 years old.

### New insights into interaction of proteins with RNA

An international scientific consortium involving researchers from RCPTM and the Institute of Biophysics of the Czech Academy of Sciences gained insight into the HuR (Human antigen R) protein, elevated levels of which have been spotted in various diseases. The research results could contribute to designing novel medical treatments. ■

## UP PUBLICATION OUTPUT IN 2019 – REPRESENTED DISCIPLINES ACCORDING TO WOS AND SCOPUS

WOS INCITES			SCOPUS		
Discipline	Number	CNCI*	Discipline	Number	FCI*
Pathology	15	25,90	Medicine	314	2,4
Medical Informatics	2	17,85	Physics and Astronomy	217	2,32
Cell Biology	26	11,13	Chemical Engineering	106	1,83
International Relations	1	7,27	Engineering	134	1,52
Oncology	72	5,97	Environmental Science	128	1,46
Mathematical & Computational Biology	5	5,72	Mathematics	108	1,4
Health Care Sciences & Services	10	4,76	Health Professions	47	1,35
Immunology	25	4,75	Agricultural and Biological Sciences	230	1,33
Critical Care Medicine	1	4,48	Energy	42	1,33
Ornithology	4	4,07	Materials Science	144	1,17
Biochemical Research Methods	26	3,99	Biochemistry, Genetics and Molecular Biology	306	1,14
Physics, Nuclear	33	3,85	Chemistry	258	1,13
Statistics & Probability	14	3,83	Multidisciplinary	41	0,96
Rehabilitation	4	2,99	Neuroscience	22	0,94
Religion	4	2,71	Earth and Planetary Sciences	45	0,93

\*CNCI = Category Normalized Citation Impact

\*FCI = Field-weighted Citation Impact

## WOS INCITES – 5 MOST CITED DISCIPLINES OF UP PUBLICATIONS

Discipline	Number of citations
Oncology	274
Physics, Nuclear	113
Biochemical Research Methods	80
Statistics & Probability	34
Health Care Sciences & Services	30

## UP PUBLICATION OUTPUT ACCORDING TO WOS AND SCOPUS BY PUBLICATION TYPE

Publication type	Number of publications		
	2017	2018	2019
Article	1,034	1,200	1,144
Review	56	84	80
Proceeding Paper	55	17	24
Meeting Abstract	100	145	126
Editorial Material	17	13	26
Letter	12	14	15
Book Chapter	16	3	1
Book Review	10	13	0
Corrections	7	12	13

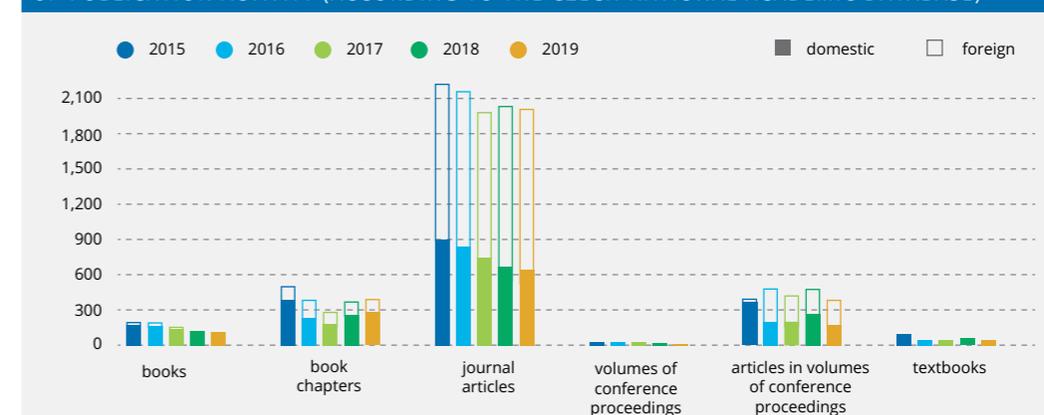
## SCOPUS

Publication type	Number of publications		
	2017	2018	2019
Article	1,026	1,143	1,327
Review	68	87	95
Article in Press	67	-	-
Conference Paper	63	63	63
Letter	15	13	13
Book Chapter	8	26	11
Editorial	6	8	11
Note	6	5	10
Erratum	5	9	15
Short Survey	2	1	5

**2019 ACADEMIC PUBLICATIONS AUTHORED OR CO-AUTHORED BY UP EMPLOYEES WITH THE HIGHEST NUMBER OF CITATIONS ACCORDING TO WOS\***

	Name of publication	Number of citations	CNCI**
1	Pembrolizumab plus Axitinib versus Sunitinib for Advanced Renal-Cell Carcinoma	164	139,679
2	Recent advances in the Suzuki-Miyaura cross-coupling reaction using efficient catalysts in eco-friendly media	42	11,277
3	Photocatalysis with Reduced TiO <sub>2</sub> : From Black TiO <sub>2</sub> to Cocatalyst-Free Hydrogen Production	37	7,549
4	Recent Advances in the Nanocatalyst-Assisted NaBH <sub>4</sub> Reduction of Nitroaromatics in Water	27	17,078
5	The compositional isotemporal substitution model: A method for estimating changes in a health outcome for reallocation of time between sleep, physical activity and sedentary behaviour	23	33,152
6	Electrocatalytic methanol oxidation over Cu, Ni and bimetallic Cu-Ni nanoparticles supported on graphitic carbon nitride	22	10,631
7	Phytohormones and polyamines regulate plant stress responses by altering GABA pathway	20	18,409
8	Orbital, spin and valley contributions to Zeeman splitting of excitonic resonances in MoSe <sub>2</sub> , WSe <sub>2</sub> and WS <sub>2</sub> Monolayers	15	9,976
9	One-pot green synthesis of bimetallic hollow palladium-platinum nanotubes for enhanced catalytic reduction of p-nitrophenol	15	7,096
10	Jasmonates are signals in the biosynthesis of secondary metabolites - Pathways, transcription factors and applied aspects - A brief review	15	13,807
11	Copper oxide-graphene oxide nanocomposite: efficient catalyst for hydrogenation of nitroaromatics in water	13	8,292
12	Biomass-Derived Renewable Carbonaceous Materials for Sustainable Chemical and Environmental Applications	13	8,244
13	+Iron hexacyanocobaltate metal-organic framework: Highly reversible and stationary electrode material with rich borders for lithium-ion batteries	13	8,684
14	Atomically precise bottom-up synthesis of pi-extended [5]triangulene	11	7,316
15	Bioactive molecules derived from smoke and seaweed Ecklonia maxima showing phytohormone-like activity in Spinacia oleracea L.	10	9,205

\*publications with fewer than 30 authors, \*\*CNCI = Category Normalized Citation Impact

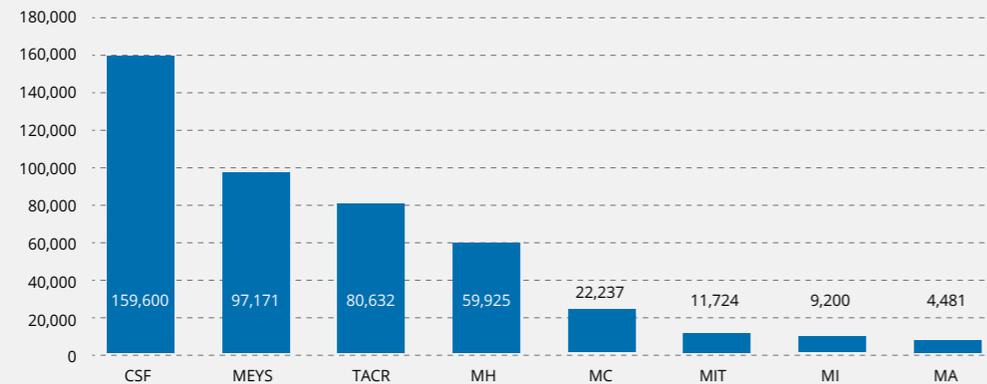
**UP PUBLICATION ACTIVITY (ACCORDING TO THE CZECH NATIONAL ACADEMIC DATABASE)**

**MOST CITED UP ARTICLES IN ACADEMIC PERIODICALS IN WOS INCITES**

Periodical	Ranking	Number of articles in the database	Number of citations
European Physical Journal C	1	26	53
Scientific Reports	2	22	18
Molecules	3	20	24
Journal Of High Energy Physics	3	20	42
PHYSICS LETTERS B	5	17	107
Česká a slovenská neurologie a neurochirurgie	5	17	1
Physical Review D	7	16	35
Biomedical Papers-Olomouc	8	14	4
Frontiers In Plant Science	9	13	15
Physical Review Letters	9	13	25
Soft Computing	11	12	7
International Journal Of Molecular Sciences	12	11	8
European Respiratory Journal	12	11	0
Green Chemistry	12	11	55
Nuclear Physics A	12	11	0

**SUMS FOR FINANCED PROJECTS IN 2019 WHERE UP IS THE CO-INVESTIGATOR OR INVESTIGATOR + FINANCES FROM THE CZECH STATE BUDGET ONLY FOR UP (IN THOUSANDS CZK)**

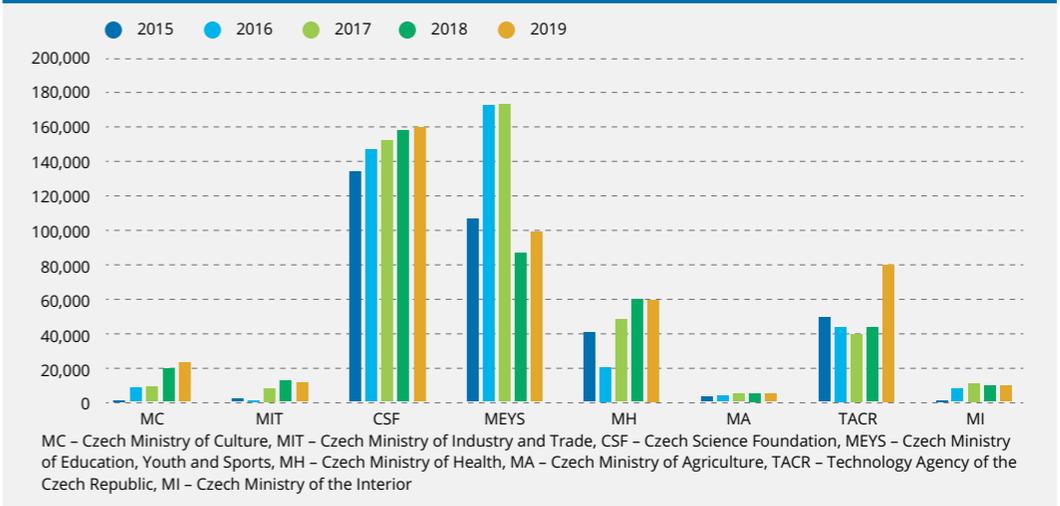
Funding source	Number of projects	Total project budgets (in thousands CZK)	UP's share of project budgets (in thousands CZK)
The Ministry of Education, Youth and Sports of the Czech Republic (MEYS)	35	373,064	97,171
The Technology Agency of the Czech Republic (TACR)	34	332,820	80,632
The Czech Science Foundation (CSF)	134	236,356	159,600
The Ministry of Health of the Czech Republic (MH)	48	127,647	59,925
The Ministry of Culture of the Czech Republic (MC)	10	58,611	22,237
The Ministry of Industry and Trade of the Czech Republic (MIT)	7	32,110	11,724
The Ministry of Agriculture of the Czech Republic (MA)	7	24,315	4,481
The Ministry of the Interior of the Czech Republic (MI)	2	15,672	9,200
<b>TOTAL</b>	<b>277</b>	<b>1,200,595</b>	<b>444,970</b>

**COMPARISON OF THE SIZE OF THE SPECIFIC SUPPORT FOR UP IN 2019 (IN THOUSANDS CZK)**

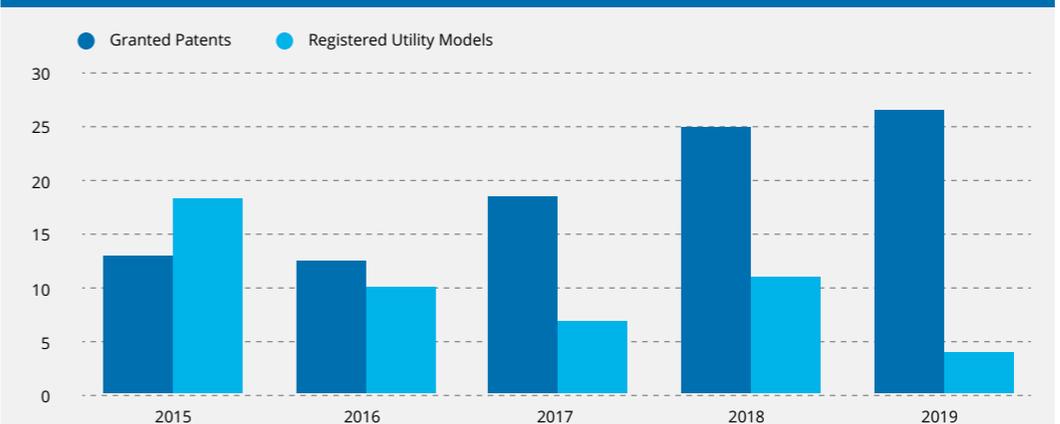


These are support programme funds for UP projects in 2019. The amount for the investigation of 277 projects was 444,970 thousand CZK (€17,015,000).  
 CSF – Czech Science Foundation, MEYS – Czech Ministry of Education, Youth and Sports, TACR – Technology Agency of the Czech Republic, MH – Czech Ministry of Health, MC – Czech Ministry of Culture, MIT – Czech Ministry of Industry and Trade, MI – Czech Ministry of the Interior, MA – Czech Ministry of Agriculture

**DEVELOPMENT OF SUPPORT FOR RESEARCH ACTIVITIES AT UP 2015–2019 (IN THOUSANDS CZK)**



**PATENTS GRANTED AND UTILITY MODELS REGISTERED**



In 2019, altogether 26 patents were granted, which is the most since 2003. In addition to this, 4 utility models were also registered.

# Global Rankings

## UP excelled in ARWU and QS rankings

Palacký University Olomouc improved or maintained its positions in international rankings comparing global universities. For the first time, UP placed in THE: University Impact Ranking and significantly improved its standing in the ARWU, QS WUR, and EECA rankings.

### Best placing so far in the Shanghai Ranking and the QS WUR

Palacký University achieved its best positions so far in the prestigious Academic Ranking of World Universities (ARWU, or Shanghai Ranking). Among the one thousand evaluated universities, UP ranked 501st to 600th. Its best placements were in natural and medical sciences. The Shanghai Ranking is one of the three most prestigious rankings along with the QS World University Rankings (QS WUR) and THE World University Rankings. UP's best placing so far was achieved also in the QS WUR, finishing in the 601st to 650th positions. In the QS ranking of disciplines, UP placed in six out of the 48 monitored disciplines, and in linguistics it ranked 201st to 250th.

### QS EECA: 46th position

In the QS Emerging Europe and Central Asia Ranking (QS EECA), UP ranked 46th among the 301 evaluated institutions. Compared to the previous year, UP improved its position by ten places and was in the Top 15 Percent, excelling in citations and internationalisation.

### Success in CWTS Leiden Ranking

The outstanding position of UP in core publications and international cooperation was confirmed by the CWTS Leiden Ranking, which evaluates almost one thousand universities. Thanks to high-profile articles which were among the top five percent of the most cited works, UP ranks first among Czech universities.

### Among top 200 in the new THE

Palacký University was ranked 101st to 200th in the new THE: University Impact Ranking 2019, which focusses on the UN Sustainable Development Goals and takes into account the social and economic impacts of universities. The first edition of the ranking includes over 450 universities from 76 countries. ■

## UP IN INTERNATIONAL RANKINGS

Rankings	Position 2016	Position 2017	Position 2018	Position 2019
QS Emerging Europe and Central Asia Ranking	64 <sup>th</sup>	59 <sup>th</sup>	56 <sup>th</sup>	46 <sup>th</sup>
ARWU – Academic Ranking of World Universities	×	601 <sup>st</sup> –700 <sup>th</sup>	601 <sup>st</sup> –700 <sup>th</sup>	501 <sup>st</sup> –600 <sup>th</sup>
THE World University Rankings	601 <sup>st</sup> –800 <sup>th</sup>			
U.S. News Best Global Universities Rankings	494 <sup>th*</sup>	479 <sup>th</sup>	489 <sup>th</sup>	519 <sup>th</sup>
QS World University Rankings	651 <sup>st</sup> –700 <sup>th</sup>	701 <sup>st</sup> –750 <sup>th</sup>	651 <sup>st</sup> –700 <sup>th</sup>	601 <sup>st</sup> –650 <sup>th</sup>

*\*Change in the structure of monitored indicators, Source: Rankings' websites*





## UP Science & Technology Park

The UP Science and Technology Park (UP STP) is a centre for transfer technologies and has been a bridge between the scientific and business worlds since the year 2000, linking UP scientists with companies who make use of UP's expertise. It helps those interested in the world of new technologies, supporting entrepreneurship and growth for those just starting out in business.

It offers office space and manufacturing halls, professional advice in the area of safeguarding intellectual property and its commercial use, and a specialised workplace with 3D printing, 3D scanning, and numerical computation. It is also a contact point for cooperation with UP research facilities.

**UP STP IN 2019 IN NUMBERS:**

- 49 tenants
- 94% occupancy
- 34 requests for measuring and research
- 35 business transactions
- 45 consultation hours
- 14 innovation vouchers
- 1 UP Business Club community with 79 members
- 178 active industrial property rights
- 23 new industrial property rights in the works
- 7 new technologies ready for licensing
- 9 Proof-of-Concept projects, 1 of them new
- 12 educational events, with 176 participants

**UP STP IS A MEMBER OF THESE PROFESSIONAL ASSOCIATIONS AND NETWORKS:**

- Enterprise Europe Network
- Czech Innovation
- Science and Technology Parks Association CR
- National Cluster Association
- Transfera.cz
- Association of Innovative Entrepreneurship CR

**IN TERMS OF ORGANISATION, UP STP IS SEPARATED INTO SEVERAL DIVISIONS:****The Transfer Technology Division**

- helps with the transfer of UP science and research results among commercial firms and subsequent mutual cooperation;
- seeks and supports commercially interesting expertise at UP and helps with its commercialisation;
- finds commercial collaboration with firms in the areas of contracted research, research on commission, and licensing agreements;
- supports the establishment of firms made up of university employees (spin-off);
- finds Proof-of-Concept projects for UP scientific employees;
- provides education in the area of commercialisation.

**Intellectual Property Protection Division**

- helps UP scientific workers to safeguard their intellectual property;
- registers UP intellectual property;
- provides training in the area of intellectual property protection.

In 2019, UP STP had 35 commercial cases, including cooperation with the PirkI Tool Works, Škoda Auto, Miele, Papcel, ON Semiconductor Czech Republic, and VelaLabs GmbH. It processed 34 requests for measuring and research, conducted 45 hours of

consultations, and held 12 educational events at which 176 participants took part. UP STP took part with four other institutions in the creation of the Transfera database, which unites select projects across Czechia.

**Entrepreneurship in the area of social sciences and the humanities**

As something new, UP STP started focussing its attention to transfer technologies aimed at entrepreneurship in social areas (SSHA: Social Sciences, Humanities and Arts). Contacts with Wilfrid Laurier University, Ryerson University (Social Venture Zone, Iboost), the University of Waterloo (GreenHouse), MaRS, WeWork, the Centre of Social Innovation, Communitech, Evergreen Brick Works, and the General Consulate of the Czech Republic in Toronto were begun. UP STP also organised a Social Entrepreneurship Day.

**The Business Support Division**

It helps entrepreneurship at UP with the goal of transferring knowledge into practise. It holds educational and networking events and lectures, inviting interesting personalities from the business world.

**Enterprising Mind**

The tenth year of the competition for beginning entrepreneurs chose 10 finalists from 22 applicants. Michal Gabčo's team won with their project Evaluating the Surface of the Moon. Nikola Smětalová and Blanka Tomečková won in the Businesswoman category with their project Zubařky.cz (FemaleDentistsCZ).

**UP Business Camp**

The Entrepreneurship with Equal Opportunities conference was attended by 161 participants.



↑ Building Interior, UP STP



↑ The HackItUP contest was about intensive team collaboration and creating a prototype.

**HackItUP**

In its pilot year, the HackItUP competition was about intensive teamwork to create a functional prototype or beta version of a team’s programming project within a certain deadline.

**Business Club**

Within the network of student clubs, lectures were given for beginning entrepreneurs such as “Second Chance” and “Lifehacking with DOLLER” (a Czech manufacturer of diaries).

**Leased space for businesses**

UP STP leases office space and manufacturing halls. Among the advantages of renting space at UP STP include reception facilities and services (printer, binding, coffee, refreshments, newspapers), equipment, location and UP expertise, easy access by car or public transportation, easy access to the city ring road and the D1 Prague–Brno–Ostrava motorway, free parking,

advice from UP STP consultants, 24/7 access to the building, camera security system, security and cleaning services, and the possibility of dining in the complex. In 2019, UP STP had 49 tenants, i.e. 94% occupancy.

**Projects**

In 2019, UP STP realised projects financed by EU Structural Funds, the Olomouc Region, and the City of Olomouc. Some of these were:

- Transfer Technologies Team
- Decontamination of Wounded Persons
- Technology Agency of the Czech Republic GAMA 1 programme Proof-of-Concept project
- R&D for a sophisticated control system of regulating and increasing the effectiveness and operational reliability of cooling pumps
- a progressive solution for hydraulic design of extreme performance pumps for the “Water-Drought” government agency
- R&D of high-speed, high-pressure pumps
- a project for safeguarding industrial intellectual property rights

**TYPES OF PREMISES AVAILABLE FOR LEASE:**

- offices and virtual offices (company headquarters)
- laboratories
- pilot production and manufacturing halls
- classrooms and meeting rooms with all-inclusive refreshments (coffee/tea provided for free)
- relaxation zone

**Specialised Workplace Division**

The **UPrint 3D workplace** is the biggest industrial 3D print centre in Moravia. It offers 3D printing from plastics, polymers, metals, composites and paper, including scanning of small and mid-sized objects with an accuracy down to 0.08 mm, and scanning textures with an accuracy down to 0.35 mm. Staff provide advice and product support to firms and university workplaces. The most interesting projects were printing a model of Bouzov Castle, and cooperation with Sovinec Castle, for which it scanned tombstones.

The **High-Performance Computing and Numerical Simulations workplace** offers a unique SGI UV 2000 computations server for demanding numerical simulations. Thanks to its NUMAlink® 6 architecture, it has 128 cores and 1 TB RAM available.

The **Advanced Materials Analytics** division is aimed at conducting highly specialised made-to-order measuring and its administration – for example unique methods for characterisation of ferrous materials. ■



↑ Presentation of UPrint 3D at the International Engineering Fair in Brno

UP STP: COMPARISON, 2017–2019			
	2017	2018	2019
Occupancy (%)	92	90	94
Number of employees in firms leasing space at UP STP	161	172	173
Number of requests for measuring and research	52	68	34
Patents granted	19	25	26



## Accommodation & Dining at UP

In 2019, UP Accommodation and Dining Facilities (ADF) experienced a more than 20% increase in demand for meals and an even greater increase in demand for additional services such as catering. UP ADF continues to ensure its services in the best possible way, in conjunction with its motto "A Great Place for Studying and Living".

### Increased dorm capacity

UP ADF worked on projects leading to prospective increased dorm capacities for students with greater demands, external employees, foreign colleagues, and teachers. In general, it represents a project to build a private dormitory under the auspices of UP in conjunction with private investors.

### Main dining hall served 20% more food

The first year of operations in the newly remodelled main dining hall met typically with gradually increased volumes of meals prepared and served – a 20% increase over 2018. Limits on the capacity of meals served at the Faculty of Medicine and Dentistry will be resolved in the future in the form of a new dining hall.

### FreshUP bistros introduced eco-packaging

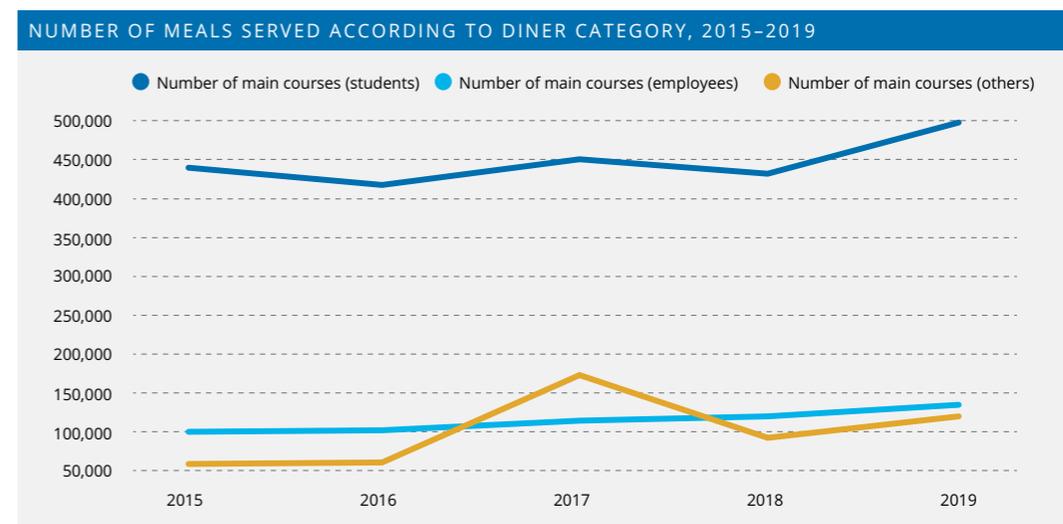
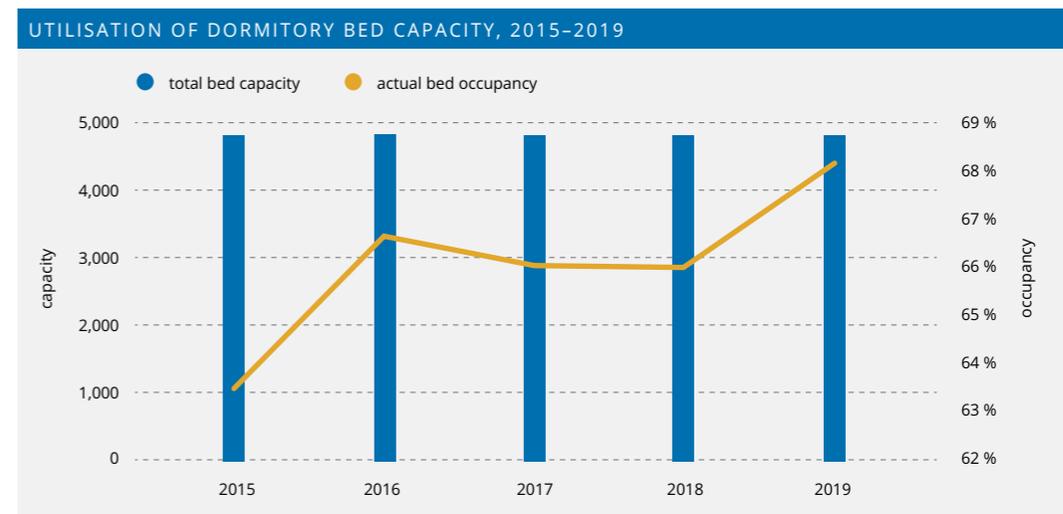
At the FreshUP bistros in the Faculties of Science and Arts, the variety of rolls and sandwiches on offer was expanded. FreshUP also joined the nationwide programme Returnable Cups to support ecological returnable coffee cups and introduced an assortment of degradable packaging to replace plastic, which FreshUP no longer uses. UP ADF is now working with the Faculties of Science and Law on projects to open new bistros.

### Ordering for the office

UP Dining organised a presentation for UP administrative workers on group purchasing and delivery of coffee, teas, milk, and biscuits, where it was possible to taste-test the products to decide whether to order them for the workplace.

ACCOMMODATION SERVICES IN 2019	
Total bed capacity at UP dormitories	4,792
Number of requests for housing as of 31 Dec 2019	4,913
Number of satisfied requests for housing as of 31 Dec 2019	4,913
Number of total accommodation-days in 2019	1,194,150

DINING SERVICES IN 2019	
Number of meals served to students	499,644
Number of meals served to employees	138,514
Number of meals served to others	127,586





↑ Murals on the dorm walls created by Wasp Elder of the UK and Kocitel Kahooawe of Spain.

### Cooperation with the Street Art Festival

Building upon their first cooperation, UP ADF management offered the Street Art Festival the side walls of two dormitory buildings on the Envelopa campus, upon which foreign artists painted two 16-metre murals. In doing so, the campus became the de facto centre of this now traditional cultural event.

### Cooperation with UP

- UP ADF joined the Gaudeamus University Fair and both UP Open House Days, at which (among other things) it offered visitors typical meals at student

prices. Students from the UP Dormitory Board, UP Academic Sport Centre, the UP Library, and the Erasmus Student Network also took part in these events.

- Support for the Sustainable Palacký student association.
- Support for the Erasmus Student Network organisation.

### What's new in accommodation

- Construction of a new study room in the Neředín campus.
- Completion of 4 flats in the attic spaces of the dorm on 17. Listopadu St.

- Plans for remodelling of the dorm on 17. Listopadu St.
- Plans for higher quality student dorm rooms in the added storeys to the General Svoboda and J.L. Fischer dormitories.
- General repairs to external stairways at the Neředín campus.
- Construction of a new boiler room at the Chválnovice dormitory.
- Construction of new shared kitchen facilities at the E. Rošický dormitory.
- Improvements to the area around the Chválnovice dorm – installation of a barbecue and seating area.

### Participation of UP AD at events (a selection):

- AFO (Academia Film Olomouc), Czech National Go Tournament, Flora Olomouc, UP Olomouc Student May Celebrations, Olomouc Half-Mara-

thon, Flora Theatre Festival, Czech Debate Society, ITTF World Tour Czech Open – international table tennis tournament, Olomouc Baroque Festival, Summer Schools (Faculties of Arts, Science, and the Rector's Office), Guide Dog Training Exhibition, UP Sporting Days, SDRUK – National Meeting of Librarians in Olomouc, Těloolomouc 2019 – Meeting of Czech Physical Education Professionals, International Festival of Military Music, Moravia Cup 2019, Physics Teachers' Inventions Fair, PAF Festival of Film Animation, Punch with the Rector.

### Public procurements

In 2019, UP AD carried out small-scale public procurements in the amount of €264 thousand, and minor purchases for equipping dormitories in the amount of €34 thousand. ■



↑ Bistro FreshUP



← Václavka – the first student community garden in the Czech Republic

## Sustainable University

### University as a leader

The transformation to sustainable development is one of society's greatest challenges in this century, and universities should be leaders in strengthening social responsibility and supporting environmentally favourable behaviour. Let us present some UP initiatives that enforce these principles.

### Sustainable Palacký

Two dozen students from diverse faculties organise film showings on the theme of sustainability, panel discussions, workshops, field trips, and clothes swaps. They are also aiming at systemic changes throughout the university in the area of waste management and responsible energy use. Sustainable Palacký is meant to further inspire other universities, associations, initiatives, and individuals. Its many projects include the Václavka community garden in the dorms complex, Freeshop, and the Free Food food-sharing platform. They have also organised a number of workshops where e.g. participants make their own shopping bags, vegetable milks, and packaging-free laundry detergent.

### RECYCLING AT THE DORMS

This long-term project aims to increase the level of recycling at the dormitories. Thanks to the active approach of UP Accommodation and Dining, it has been able to serve two hundred students. Sustainable Palacký mediated the information campaign, issuing and collecting recycling bins which UP students now have the possibility of using, and in doing so reduced the volume of communal waste which ends up in dumps and/or incinerators.

### WAVE OF SUSTAINABILITY

In 2019, Academia Film Olomouc and Olomouc Ecology Days also focussed on the trending societal theme of climate crisis and sustainable development.

Members of the Sustainable Palacký co-organised a sustainable fashion show and discussion on the problem of the fashion industry's impact on the environment. Sustainability was also the theme of the international World on Your Plate festival, in which the association also took part.

### LET'S CLEAN UP OLOMOUC

In April, the initiative joined in the nationwide event Let's Clean Up Czechia. Three dozen volunteers took part in the fourth year of the Olomouc clean-up in city parks and surroundings.

### FREESHOP

People can bring things they no longer desire to the Freeshop, located in the Bedřich Václavek dorms, and know that someone will find a use for them. Most often these are kitchen utensils, clothing, and books. The project has proven to be especially useful for international students.

### VÁCLAVKA

The first student community garden in the Czech Republic. Students can pick their own herbs and vegetables here, and it also hosts concerts and barbecues.

### FILL 'ER UP

The project Dolej si/Fill 'Er UP has the goal of finding and signing firms and shops where people can fill up

their own water bottles for free, thus reducing the waste of empty PET bottles. The Olomouc project has expanded nationwide, and now counts more than 350 participating places of business.

### UP Volunteering Centre

The UP Volunteering Centre organised the third annual UP Volunteer Days, an event aimed at promoting and highlighting volunteering among students. At the event, the UP Rector awarded 8 UP students for their volunteering service. More than 300 students and 24 organisations registered via the Centre's web application, which serves to connect UP students and employees willing to do volunteer work with organisations looking for volunteers. More than 150 volunteering opportunities were advertised.

Another activity of the Centre is aimed at lectures and workshops on volunteering and civic involvement.



↑ Rector's Prize winners for Volunteering

The Centre initiated and co-organised a workgroup session made up of representatives from non-profit organisations and local government with the goal of supporting the development of volunteering in both the city and the Olomouc region.

### UP Bike

The UP Bike initiative was founded to expand cycling culture and support city bicycle transportation and student bike activities. It cooperates with the bike loan firm Rekola, the university shop UPoint (cycling accessories), and is also attached to the campaign Go to Work by Bike – Homo Cycliens and Go to School by Bike. Within the project Ride2sCool, UP students accompany schoolchildren on their way to and from school. UP Bike also takes part in the international events Car-Free Days and the Academic Bicycle Challenge, where the goal is to accumulate the most kilometres on bike. UP was responsible for 3,412 km out of the total of 570,990 km.

### Seedbank

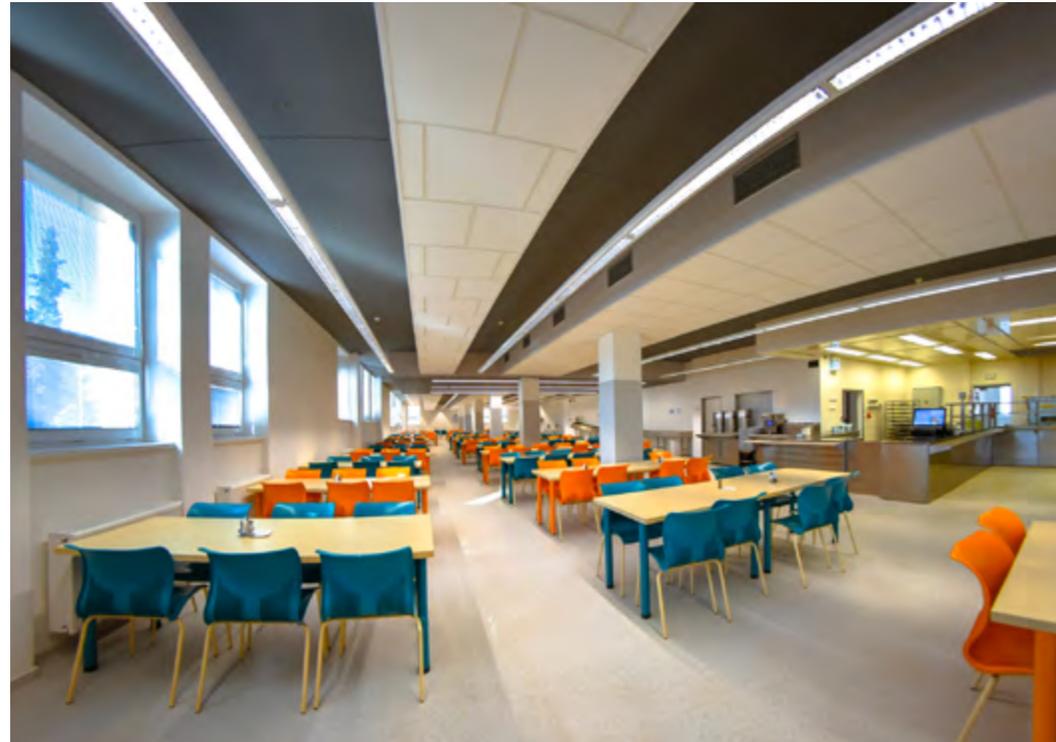
Now in its third year, the Seedbank at the UP Faculty of Science Botanical Garden shares seeds for vegetables and decorative plants from gardeners' own cultivars. Gardeners from Olomouc and its surroundings are showing ever-increasing interest in sharing seeds this way. ■



## Construction, Modernisation, Renovations:

### UP CHANGING THE LOOK OF THE CITY

UP also influences the look of Olomouc. 2019 was a year of significant transformations: extensive modernisation of the Faculty of Law and the main university dining hall, and renovation of a former dormitory into a modern research centre.



↑ Costs for the extensive modernisation of the main UP dining hall came to €4 mil.

**Main dining hall underwent extensive modernisation**

Modern gastronomic technology, a new food serving window, dining hall, new storerooms, and an improved, more comfortable environment for employees. All of these are offered by UP's main dining hall on 17 Listopadu Street, which started renovations and modernisation in May 2018. The kitchen, which has new gastronomic equipment

and a more comfortable environment for employees, is connected with the dining hall on the first storey. Costs for modernisations came to €4 mil.

**Faculty of Law concluded huge construction**

The Faculty of Law concluded the largest construction investment in its recent history,

receiving €1.5 mil in funding. The faculty's new central wing will include a library, study centre, and Centre for Clinical Law Education. Seating was increased from the former library's 47 places to 187. Thanks to the modernisation, there will also be facilities for law clinics, especially for student legal advice. The faculty will also have a new reception area and will be wheelchair accessible.

**Former dormitory transformed into top research centre**

The Sts Cyril and Methodius Theological Faculty is launching its own centre for science and research. The building, a former university dormitory on Kateřinská Street now undergoing renovations, will at the same time be returned a bit to its historical look. It will house modern facilities for

scientific teams of the Olomouc University Social Health Institute (OUSHI), the Centre for Work with Patristic, Medieval and Renaissance texts, for workers taking part in the international HBSC study, and for doctoral students. The Centre will offer study rooms, workplaces, and a laboratory for measuring biomarkers in conjunction with social sciences. The renovations are expected to total ca €1.5 mil.

**Special laboratory opened**

A special laboratory for sequencing plant DNA, unique in the Czech Republic, was built by the Centre of the Region Haná for Biotechnological and Agricultural Research. The laboratory's ceremonial opening took place in conjunction with the start of the Plant Biotechnology: Green for Good V conference. The sequencing laboratory is spearheaded by a high-capacity NovaSeq 6000 DNA sequencer. ■



← A new central wing, including a library and study centre, was built at the Faculty of Law (visualisation).



## International Relations & Mobility

Palacký University Olomouc is expanding its internationalisation, especially by increasing its involvement with foreign academics and researchers, supporting study programmes in foreign languages, and increasing the number of foreign exchanges (mobilities) for students as well as staff. Great attention is paid to international presentations at world university fairs and conferences, building upon and fulfilling inter-university contracts on cooperation, and development of partnerships. For these efforts, UP received the prestigious European Association for International Education Award for Excellence in Internationalisation at its 2019 conference in Helsinki.

**In 2019, 4,497 international students studied at UP out of a total number of 108 countries, 1,065 more than in 2017. Most international students came from Slovakia, followed by China, Spain, the United Kingdom, Ukraine, Russia, Poland, France, Italy, and the United States.**

### Contractual agreements with partner universities

In 2019, UP intensively supported internationalisation of its educational and research environment, mobilities abroad for students and academic and scientific staff, with a view to fulfilling the tasks set out in the UP Long-Term Goals 2016–2020. New partnership agreements were concluded with foreign universities, i.e. 46 Memorandums of Collaboration with universities from the USA, China, South Korea, Brazil, Ecuador, Japan, Indonesia, Italy, Kazakhstan, Albania, Belgium, France, Georgia, the Netherlands, Iran, Germany, Poland, Portugal, Austria, Russia, Switzerland, Spain, and Tanzania.

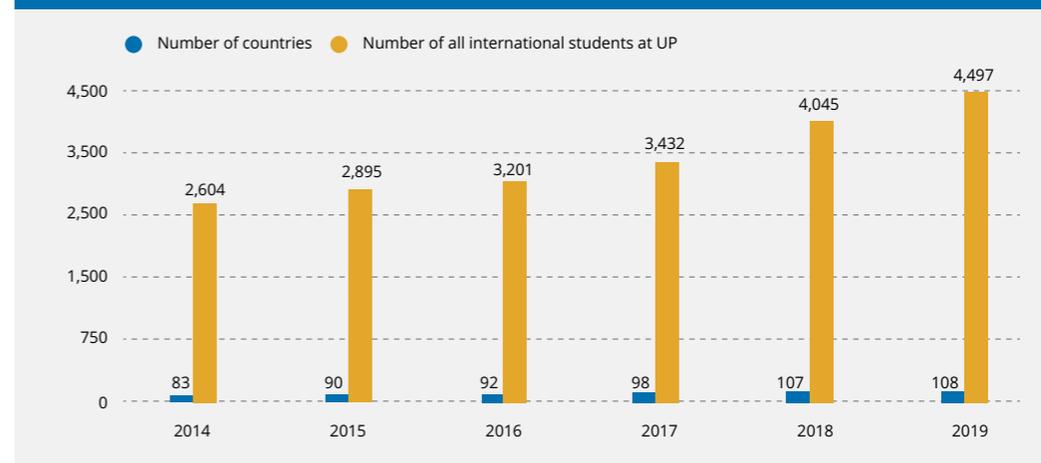
Existing strategic partnerships were strengthened with emphasis on the preparation of the European University Alliance under the auspices of the Aurora consortium. The 4th Erasmus+ International Staff Week was realised, the internationalisation monitoring of Czech Higher Education (MICHE) was successfully undertaken, and the strategic participation of UP in international conferences and education fairs abroad (e.g. the NAFSA U.S. Higher Education Partnership Fair in the USA, APAIE in Sin-

gapore, the European Association of International Education fair, and other fairs in Ukraine, Latin America, Italy, China, Kazakhstan, and Indonesia) was supported. An important event strengthening the position of UP on the international scale was the commencement of negotiations to set up a branch of UP in Erbil (Iraq).

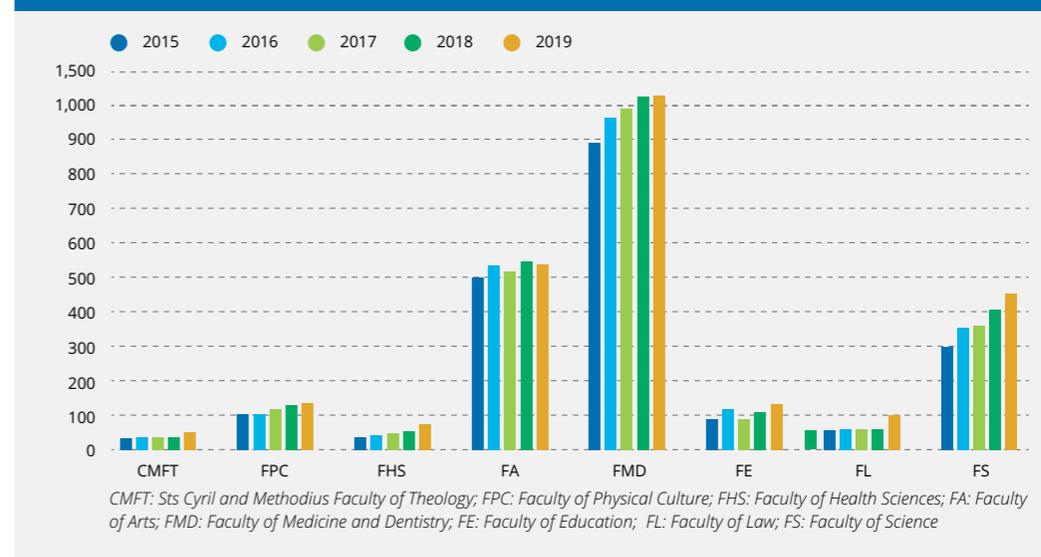
### International educational programmes and mobilities

In 2019, internationalisation of study programmes was strengthened at UP. It resulted in expanding and making more attractive studies in foreign languages, also in cooperation with foreign partners, which resulted in strengthening the position of UP among international students interested in studying abroad. There was an increase at UP in the total number of international students, 4,497 in 2019 from a total number of 108 countries, which represents a doubling since 2009. The increase of student mobilities at UP was noted also in the programme Erasmus+ (KA 103 and KA 107) in the academic years 2018/2019 and 2019/2020. For the mobility of students and academic staff, the majority of faculties made use of projects within the Czech Ministry of Education's Institutional Plans, European Social Fund (ESF) projects, CEEPUS, and other internationalisation resources. The UP International Relations Office implemented UP mobility scholarship programmes (studies, stays). The Nebraska Semester Abroad and Merrill programmes continued, thanks to which five students had study stays in the USA in 2019.

TRENDS IN THE DEVELOPMENT OF THE NUMBER OF INTERNATIONAL STUDENTS 2014–2019



THE NUMBER OF INTERNATIONAL STUDENTS BY FACULTY 2015–2019



STUDY PROGRAMMES IN FOREIGN LANGUAGES (NUMBERS)										
Palacký University Olomouc		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
ISCED-Fields of study	Code	FT*	C/D**	FT	C/D	FT	C/D	FT	C/D	
<b>FACULTY OF MEDICINE AND DENTISTRY</b>										
Health and welfare	09	0	0	3	0	0	0	11	7	<b>21</b>
<b>FACULTY OF HEALTH SCIENCES</b>										
Health and welfare	09	1	0	0	0	0	0	0	0	<b>1</b>
<b>FACULTY OF ARTS</b>										
Education	01	0	0	0	0	0	0	2	2	<b>4</b>
Arts and humanities	02	5	0	0	0	3	1	3	3	<b>15</b>
Social sciences, journalism and information	03	0	0	0	0	1	0	4	4	<b>9</b>
<b>FACULTY OF LAW</b>										
Business, administration and law	04	0	0	0	0	2	0	2	1	<b>5</b>
<b>STS CYRIL AND METHODIUS FACULTY OF THEOLOGY</b>										
Arts and humanities	02	0	0	1	0	0	0	3	3	<b>7</b>
Health and welfare	09	0	0	0	0	0	0	1	1	<b>2</b>

\*FT = Full-time, \*\*C/D = Combined / Distance

STUDY PROGRAMMES IN FOREIGN LANGUAGES (NUMBERS)										
Palacký University Olomouc		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
ISCED-Fields of study	Code	FT*	C/D**	FT	C/D	FT	C/D	FT	C/D	
<b>FACULTY OF SCIENCE</b>										
Social sciences, journalism and information	03	0	0	0	0	1	0	1	1	<b>3</b>
Natural sciences, mathematics and statistics	05	2	1	0	0	9	1	26	25	<b>64</b>
Information and communication technologies	06	0	0	0	0	0	0	2	2	<b>4</b>
Engineering, manufacturing and construction	07	0	0	0	0	1	0	1	1	<b>3</b>
<b>FACULTY OF EDUCATION</b>										
Education	01	2	2	1	1	4	3	9	9	<b>31</b>
Health and welfare	09	0	0	0	0	1	0	0	0	<b>1</b>
<b>FACULTY OF PHYSICAL CULTURE</b>										
Services	10	0	0	0	0	1	0	1	1	<b>3</b>
<b>TOTAL</b>		<b>10</b>	<b>3</b>	<b>5</b>	<b>1</b>	<b>23</b>	<b>5</b>	<b>66</b>	<b>60</b>	<b>173</b>

\*FT = Full-time, \*\*C/D = Combined / Distance

UP'S INVOLVEMENT IN INTERNATIONAL COOPERATION PROGRAMMES				
Palacký University Olomouc	Horizon 2020 / Seventh Framework Programme of the European Commission			TOTAL
	Total	Marie Curie Actions	Others	
Number of projects	5	3	29	29
Number of outgoing students	92	10	23	115
Number of incoming students	103	0	25	128
Number of outgoing academic and scientific workers	108	0	37	145
Number of incoming academic and scientific workers	26	0	40	66
Grants in thousands of CZK	15,231	11,000	38,599	53,830

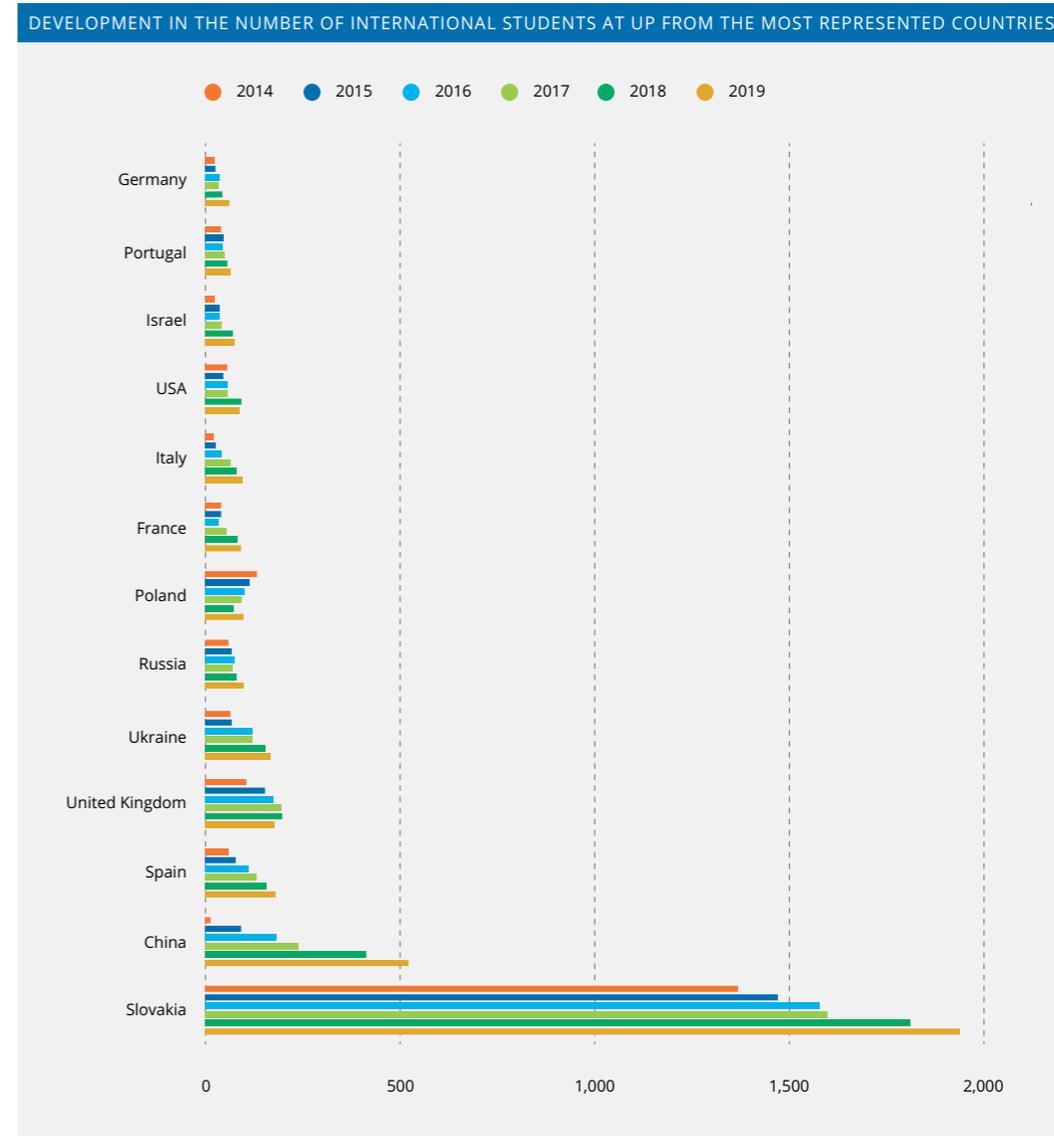
### Participation in the Erasmus+ programme

The programme most used for mobilities of students and staff at UP is still Erasmus+, with more than 400 UP students taking advantage of the programme in 2019. The most popular countries were Spain, Germany, Finland, the Netherlands, and France. UP sent 139 students on internships, most often to Spain, the United Kingdom, Croatia, Germany, France, and Italy. The number of accepted students to UP, mostly from Spain, Poland, Slovakia, France, and Italy, was almost 400. In 2019, for the first time, the number of students admitted equalled the number of students sent. This is proof of the high level of study opportunities offered to international exchange students.

On teaching stays at partner institutions, UP sent more than 200 academic staff, most often to

Slovakia, Spain, Poland, Italy, and Germany. In 2019, there was growing interest in training sessions for academic and administrative staff, attended by over 90 employees, mainly at partner universities. In 2019, UP also implemented international credit mobility projects. Student and staff mobility took place in collaboration with 37 partners from 22 countries on four continents.

For the third year in row, the Erasmus Mundus JMD programme was continued within GLODEP, where UP is a coordinator. More than 900 foreign applicants applied for admission.





← International students at the UP Summer School

### Confucius Institute, King Sejong Institute, and the French Centre

UP's Confucius Institute continued to expand its activities. It focussed on cultural workshops as well as courses in Chinese. The traditional Chinese New Year celebrations, the Month of Chinese Culture, and Open Doors Day also took place. The institute also organised international Chinese proficiency tests (HSK).

Another institute at UP helping promote a foreign culture was the King Sejong Institute, offering Korean courses and organising events promoting Korean culture.

From April 2019, the French UP Centre, which was established under the auspices of the Department of Romance Studies of the Faculty of Arts, took part in the promotion of the French language and culture and the dissemination of cultural values of the Francophone world in Olomouc. ■



## AFO 2019

### 54TH ANNUAL FESTIVAL OF POPULAR SCIENCE FILMS

#### Record number of films and audience attendance

The 54th annual Academia Film Olomouc (AFO) international festival of popular science films offered 80 films for competition and was attended by more than 9,000 viewers. Its principal themes were myth, propaganda, the Moon, forgotten history, the origin of art, and women warriors. The festival once again showed the most interesting films from the world of science and gave prizes to new documentaries and deserving scientists.

Personalities awarded for popularising science were the English historian Robin Lane Fox and the Egyptologist and archaeologist Zahi Hawass. The institutional prize for popularising science went to *Toulky českou minulostí* (Travels through Czech History), a long-running book and radio series. The new feature “AFO Spotlight” was inaugurated to focus on young, upcoming Czech and Slovak filmmakers. That prize went to Petr Salaba, along with the opportunity to go to the World Congress of Science & Factual Producers in Tokyo.

Over 80 popular science documentaries out of almost 4,000 entries competed in the categories of the international competition, the Czech and Slovak competition, and the short film competition. The main prize was given to director Catherine Gale for her film *The Joy of Winning*, in which mathematician Hannah Fry introduces mathematics as the key to solving various situations to our advantage. The “Czechoslovak” prize went to Marek Janáč for his film *Magion*, about the first Czechoslovak satellite. The moderator (and also guide to a show chock-full of experiments) was scientist Michael Londesborough.

There was a record number – 9,430 – of viewers at AFO in addition to the record number of films. “Fifteen years ago, nobody would have believed that science and science documentaries would be so popular and avidly sought-after by the general public. There is growing interest in the festival, and so the themes which we have selected prove that our endeavours have paid off,” said festival director Jakub Rálíš.

Among the guests who attracted so many visitors were certainly the evolutionary biologist Richard Dawkins; Egyptologists Zahi Hawass, Mostafa Wazíri, Miroslav Bárta and Miroslav Verner; experts on Nordic mythology Joshua Rood, Arngrímur Vídalín, and Einar Selvik; cosmonaut Vladimír Remek, the international collective Clusterduck studying the phenomenon of memes; and British science communicator Ian Christie. ■

#### OVERVIEW OF AWARDS AT AFO 2019:

- Prize for the best international popular science documentary:  
**The Joy of Winning**
- Prize for the best Czech or Slovak popular science documentary:  
**Magion**
- Prize for the best popular science short:  
**Analog Astronaut**
- UP Student Jury Prize:  
**Vor**
- AFO Audience Prize:  
**Human Nature**
- AFO Spotlight Prize:  
**Petr Salaba**
- Prize for Personal Contribution in Popularising Science:  
**Robin Lane, Zahi Hawass**
- Prize for Contribution in Popularising Science (Institution):  
**Toulky českou minulostí (Travels through Czech History)**



← UP Science and Research Fair

## Education, Culture, Sports, Entertainment

FOR STUDENTS AND (NOT ONLY)  
OLOMOUC RESIDENTS



↑ On the occasion of the celebrations of the 30th anniversary of the Velvet Revolution, the UP Rector awarded Commemorative Medals for contributions to the development of democracy.

## UP events enticed tens of thousands

### University commemorated 30 years since the Velvet Revolution

#### RECTOR AWARDED PERSONALITIES OF NOVEMBER 1989

As part of the celebration of the 30th anniversary of the Velvet Revolution, important personalities who contributed to the development of democracy in the Czech and Slovak context gathered at Palacký University. Rector Jaroslav Miller awarded the UP Commemorative Medal to Eliška Wagnerová, Michael Žantovský, Karel

Schwarzenberg, Michael Kocáb, Magdaléna Vášáryová, Anna Šabatová, Josef Jařab, Ivana Plíhalová, Zdena Mašínová, and others.

#### VELVET RECONSTRUCTION AND HAPPENING

Thirty years ago, the UP Faculty of Arts became the centre of revolutionary events, and history repeated itself on November 17, 2019. The members of the then Student Strike Committee commemorated the turning points of November 1989 and reoccupied the faculty as part of the Occupation Strike. Another excursion into the past

took place in front of the Faculty of Law, where the cardboard box wall was reconstructed, on the same site in front of what used to be the Central Committee of the Communist Party thirty years ago. This time, however, it was not decorated with messages to the Communist Party, but with wishes for future generations.

#### 1989 IN DEBATES AND PUBLICATIONS

Bishop Václav Malý, TV hosts Světlana Wítovská and Daniel Takáč, journalist Jindřich Šídlo, Charles University Rector Tomáš Zima, and former Prime Minister Vladimír Špidla – these are just some of the guests who came to the university to debate with students and the public on topics related to democracy, media freedom, and the evolution of journalism. The revolutionary year was commemorated in publications, too: as part of the university celebrations, the Olomouc Museum of Art hosted the launch of a retrospective volume of photographs entitled *Olomouc Moments 1989*, and the Faculty of Medicine and Dentistry published a book covering the history of the faculty in 1989–2019.

#### Film about Professor Jařab

*Homo academicus* is the name of the film documentary about American Studies scholar and UP Professor Emeritus, Josef Jařab, directed by Martin Müller, head of UP Audio-Visual Productions. The film was co-produced by Czech Television and premiered at the international festival of science documentary films Academia

### CIVIC UNIVERSITY UNION

A university platform founded on a partner approach and mutual dialogue with the public. This UP volunteer project organised 23 free educational lectures and meetings in 2019. It is open to volunteer cooperation with elementary and middle schools, senior citizens' clubs, special interest groups, and audiences of established educational events throughout the Czech Republic. A number of students, student organisations, and academics from all UP faculties have already participated in the project. UniON offered 47 themes of expertise in the areas of law and finances, debt counselling, critical evaluation of information, medical prevention, and on-line safety. The most sought-after ones were diseases of civilisation and their prevention, critical reading of the media, and human biochemistry. The UniON project has been taken advantage of particularly by middle schools, who in this way add experts in contemporary fields to their teaching repertoire.



↑ UniON Civic University event



↑ Erika Stárková, the Olomouc Queen of May 2019

Film Olomouc. The documentary captures Prof Jařab, first post-communist rector of UP, in many official occasions – such as when he hosted renowned personalities at the university, including poet Allen Ginsberg – and in candid moments.

### Erika, the Queen of May

The ninth year of UP May Student Celebrations, with the subtitle “Pop Culture”, offered 90 events and attracted about seven thousand people. Actress and singer Erika Stárková received the mace and the

crown from the UP rector. In addition to a dozen concerts, there were also theatre performances, film screenings, presentations of seventy non-profit organisations, and exhibitions.

### Long Night of the Sciences: Six hours of discoveries

6,000 visitors attended the Long Night of the Sciences, the biggest science popularisation night event, in September. The theme “Environmentally Friendly to the Planet” proved to be very attractive



↑ Park It! – Embrace the Public Space initiative, now in its fifth year in Olomouc

and fruitful in terms of its programme. After dark, seven faculties, Fort Science, the BALUO Application Centre, and some departments of the University Hospital Olomouc stayed open to visitors.

### Park It! initiative did not stop

The UP initiative “Park It! – Embrace the Public Space” had another successful summer season. It provided mobile rental of blankets, board games, sports equipment, and a relaxation zone in many places in Olomouc, including its own minifestivals in parks, the

UP Arts Centre city ramparts walls, the Garden Food Festival, the UP Science Fair, and the Flora Olomouc flower exhibitions. Newly, the members of the project helped develop busking in the streets of Olomouc, in addition to offering traditional film screenings, concerts, and sports competitions for the public.

### UP participated in Para Ice Hockey Championship

The World Para Ice Hockey Championship, hosted by Ostrava in May, was the most successful event in



↑ Chemistry experiments at Fort Science

the history of the sport. Palacký University Olomouc also took part in the organisation of the tournament, among other things through accompanying activities in the fan zone and by loaning sports equipment.

### Punch helped twice

Almost 4,500 euros were earned by the employees of the UP Faculty of Physical Culture when selling Xmas punch at the charity stand A Good Place to Live during the Christmas markets in the centre of

Olomouc. The proceeds supported the activities of the faculty's APA Centre and an Olomouc branch of the Early Care Society, helping families of children with visual and multiple disabilities. The other branch of this organisation, which is dedicated to children with disabilities, was assisted a few days later by the UP staff together with representatives of the Institute of Experimental Botany of the Czech Academy of Sciences. Together, they "punched out" almost 2,200 euros for families in need.

### FORT SCIENCE: A PLACE FOR LIVING SCIENCE

The interactive science museum Fort Science – Pop Science Centre, which is run by the UP Faculty of Science, had its most successful year since it opened its doors in 2015. New expositions and events brought record attendance of 93,598 visitors to the museum, one of the pillars of the third role of the university, public outreach. The number of informal educational programmes for schools also increased, with 19,463 children visitors.

### COLLABORATION ON THE CREATION OF EXHIBITIONS

In 2019, the Fort Science team collaborated, for example, with the Centre of the Region Haná for Biotechnological and Agricultural Research and with the Olomouc Institute of Experimental Botany of the Czech Academy of Sciences. Cooperation with the Department of Physical Chemistry, which participated in the creation of an exhibition on nanotechnologies, was also important. "Our specialisation is non-formal education, which will play an increasingly important role in education along with the use of interactivity," said Matěj Dostálek, Director of Fort Science. His team is also engaged in publishing activities: they published scientific colouring books *From Earth to Space* and started work on an illustrated textbook on GMOs.

Michael Londesborough's Chemistry of LOVE lecture →

### EMINENT PERSONALITIES

Thematic exhibitions, science clubs, camps, a children's university, workshops for seniors, as well as debates about cannabis or the state of democracy and today's world – these are events that help Fort Science create a community of loyal visitors and attract the attention of important personalities. For example, political commentator Jindřich Šídlo and economist Jan Švejnar debated in Laudon Hall. One of the most eminent guests was U.S. astronaut Andrew Feustel.

### COMMUNICATING SCIENCE

UP students, who work in Fort Science as guides and lecturers, have a crucial role in its operation. Many of them made science popularisation part of their Master's theses. The Pop Science Centre is preparing a motivational and educational programme for them, which also makes Fort Science a training centre for science communication.



## UP PRESS

UP Press was again very productive in 2019, with its 241 publishing contracts, 70 of which were e-books. The largest book project was *Olomouc Moments 1989*, a photographic diary of the revolutionary year, on the publication of which UP Press collaborated with the Olomouc Museum of Art. UP Press also started creating a new series of *Czech It UP!* textbooks for students of the Czech language. One of the specialties of the printing machine in the Armoury is production of paperback books with long flaps on the cover. Newly, UP Press has a bookbinding workroom and realizes the production of book mock-ups, book repairs, and one-copy production of hardcover books.

The retro interior of the UP bookstore was complemented by an exhibition of posters from the "Trabant Phenomenon" project by the Department of Art Education of the Faculty of Education.



↑ *Olomouc Moments 1989, photographic diary of the revolutionary year*

## E-SAFETY

Nationwide project focussed on prevention, education, research, intervention, and awareness related to risky behaviour on the Internet and related phenomena. It also focusses on the positive use of IT in education and everyday life.

The project is implemented by the Centre for the Prevention of Risky Virtual Communication at the UP Faculty of Education, in cooperation with other organisations.

## THE EUFORKA PROJECT

This volunteer project forms an information channel informing about European topics and providing news to the Czech media space – not only about EU activities, but also about general events in the context of Europe.

More than 25 universities took part in the project, supported by the Czech Ministry of Foreign Affairs, Ministry of the Interior, and Ministry of Education. Euforka (i.e. Euphoria) creates articles and content on social networks and its website; in the course of the year it also presented audiovisual projects, such as an interview with the Czech Minister of Foreign Affairs, and a series of bios of famous personalities, starting with a probe into the working day of the head of the Czech Permanent Representation in Brussels, UP alumnus Jakub Dürr.

## Feast for music enthusiasts

The festival of contemporary music MusicOlomouc, with the subtitle "Colours of Piano", was devoted to the piano in the works of contemporary Czech and foreign composers. During October, seven concerts were held to present the diverse possibilities in the sound of this instrument. ■

## UPOINT: FOURTH YEAR AND RECORD TURNOVER

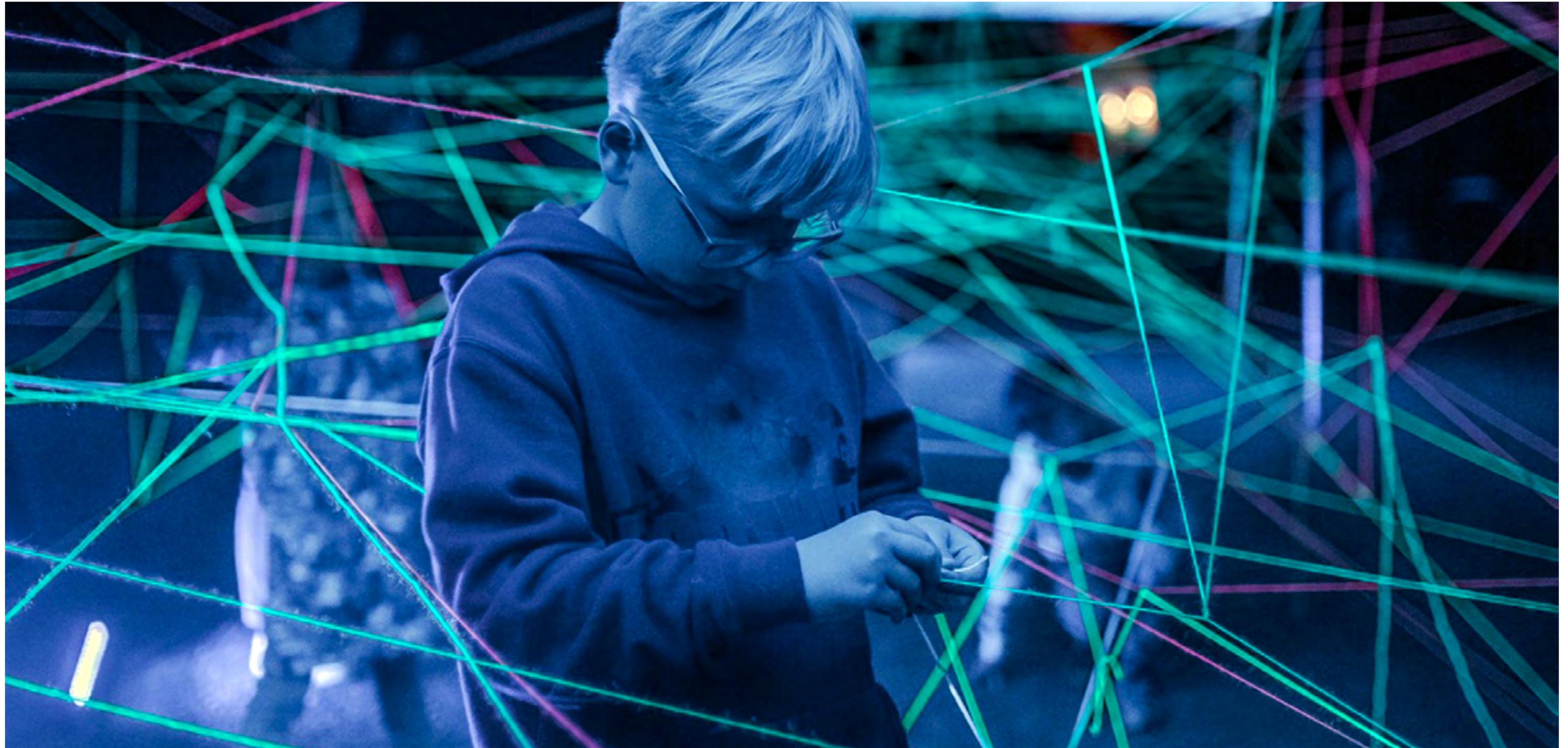
The information centre and shop UPoint, located on the Upper Square in Olomouc, celebrated four years of its existence. In 2019 it sold almost 87,000 items and had a record turnover of almost 4.2 million crowns (€160,000).

The new items included an academic planner, a dress from the UniWearCity fashion collection, a webcam cover, a fishnet bag, glasses and coffee cups, the CoUPle game, and paper graduation cards designed by students of the Faculty of Education. The assortment also included reverse cotton bags, a silk tie, cloths for glasses, and clipboards.

UPoint also hosted an exhibition of embroidered photographs by Dorota Bachratá, the exposition "Journey to Discover the Elements" from the Expedition Through the Bar, and the photo series "Olomouc Yesterday and Today" for the anniversary of the Velvet Revolution.

UPoint offers its own brand of winter hats and scarves. →





↪ The Long Night of the Sciences in Olomouc was attended by 6,000 people.

## 2019 THROUGH THE EYES OF THE UP RECTOR AND DEANS

### What was 2019 like (not only) for Palacký University?



I am ever more aware of just how fundamental the third role of the university and the social responsibility of large institutions really are. This is why UP devoted significant attention and energy to public outreach in 2019. This is reflected in our Czech National Prize for Social Responsibility in the Public Sector, and our being awarded the Committed to Sustainability mark for a three-year period, as well as being included in the European Foundation for Management Quality database. Being ever more integrated into the world has brought the satisfaction of having been granted the prestigious European Association for International Education prize for Internationalisation. UP was also successful in 2019 in the area of science and research: the Highly Cited Researchers global ranking featured three representatives from UP, and Olomouc scientists took part for example in decoding the pea genome, creating anti-tumoral substances, and breeding more resilient wheat strains. Important discussions continued about the necessary integration of scientific centres, which will allow UP in the future to hold its own amongst increasingly tougher global competition. UP also significantly invested into the construction of new research spaces and modernisation; for example, it completed extensive remodelling to its main dining hall. The year 2019 brought a significant element in common to all eight UP faculties; i.e. transformation of study programmes according to our newly-gained institutional self-accreditation – for which great thanks are due to all. The most important fact in 2019, however, was that the Czech Republic remained a place of calm and freedom within an uncertain world.

**JAROSLAV MILLER,**  
UP RECTOR



The event of the year for our faculty was the preparation and approval of our new study programme Ethics and Culture in Media Communications. Another programme in the area of social work, responding to reforms in psychiatry, is in the approval process. The new programmes, reflecting a societal need, ought to breathe new life into our faculty. Courses in systemic and pastoral theology have been successfully revamped. Renovations have begun on the building on Kateřinská Street, which should serve primarily for research. And we greet the birth of the new methodology in evaluating academic research at UP with great satisfaction.

**PETER TAVEL**  
DEAN OF THE STS CYRIL  
AND METHODIUS FACULTY OF THEOLOGY



In 2019, I completed my second term as dean and I would like to emphasise that it has been a great pleasure and honour for me to carry out my duties over the past eight years. I am convinced that in 2019 FMD remained a flourishing faculty, providing quality education in medicine and producing high academic and scientific results. I consider it a great success that we were able to implement the National Programme for Long-Term Financial Measures to Increase the Capacity of Medical Schools in the Czech Republic. FMD should accept about 15% more first-year students in General Medicine. Of course, it is not only about increasing the number of our students; long-term financing should ensure quality teaching as well as providing motivation for teachers. Also significant was being granted accreditation by the Association of Medical Schools in Europe, confirming the high quality of UP FMD on the European level. In addition, I also consider it appropriate to praise the UP FMD/Olomouc Teaching Hospital Alumni Programme. In closing, I would like to thank the entire academic community of our faculty, all our employees and students, for without their conscientious and responsible work, it would not have been possible to achieve such outstanding results during my tenure as dean.

**MILAN KOLÁŘ**  
DEAN OF THE FACULTY OF MEDICINE AND DENTISTRY



The Faculty of Arts is represented by a broad spectrum of quality humanities and social science workplaces which in addition to teaching have at their disposal a wide-ranging research

environment. We are one of the top institutions of our kind in the Czech Republic. Proof of our quality are the increasing numbers of top academic results within the nationwide Methodology for Evaluating Research Organisations and Research, Development and Innovations Purpose-tied Support Programmes (2017+) evaluation. Olomouc's Faculty of Arts is regularly represented with top results in the majority of its fields and with a well-balanced overall quality. In 2019, the faculty had 8 projects approved by the Grant Agency of the Czech Republic, including the prestigious EXPRO project. In international competition, the faculty was awarded a Marie Skłodowska-Curie grant. Building upon institutional accreditation, our faculty was successful in getting accreditation for a number of doctoral programmes and successfully defended its right to nominate professors and habilitate associate professors in traditional fields. The entire academic community of the faculty deserves high awards for doing an excellent job in both teaching and research.

**ZDENĚK PECHAL**  
DEAN OF THE FACULTY OF ARTS



2019 was a year of transformations in the majority of the fields in our study programme within the framework of the new institutional self-accreditation. The administrative strain upon the faculty was managed to

its credit, and it is gratifying that in several instances it resulted in making existing study programmes more effective – and also developing them in new directions. It shows that the reform of the doctoral programmes, which was preceded by intense debate throughout the entire faculty, has brought modernisation to those programmes, making them more attractive. This was reflected immediately by a 16% increase in first-year student applications over the previous year. Establishing fair and transparent conditions for all workplaces is, together with simplifying the administrative processes, creating positive conditions at the faculty for creative work as well. 2019 was the most successful year in our history for publications, and the faculty's successes in national and international grant competitions cement our faculty's good reputation.

**MARTIN KUBALA**  
DEAN OF THE FACULTY OF SCIENCE



2019 was a landmark year for the Faculty of Education in terms of study programmes, for first-year students were accepted already on the basis of the accreditation of the new study programmes. Internationalisation in the

area of studies was another of the goals in the development of the faculty, and we were able to increase the number of international mobilities. In academic, research, and creative activities, the emphasis was placed on continuing the realisation of the main research themes of the faculty and to support the creation of new project topics in the area of basic and applied research. The faculty realised a number of activities which were aimed at the public, increasing the visibility of the teaching profession, its innovative approach to the teaching profession (the Teacher21 concept), the value of education and life-long education, special education and its specifics, group learning and the quality of educating people with disabilities, and other areas at which the faculty excels. We also attempted to improve the image of the faculty within our university and to strengthen its status in the third role of the university – i.e. community outreach.

**LIBUŠE LUDÍKOVÁ**  
DEAN OF THE FACULTY OF EDUCATION



2019 was a year of planned changes for FPC. We survived the simultaneous reconstruction of our main teaching spaces with the fresh start of fourteen innovative study programmes. Thanks to

our employees' above-standard commitment, creative approach, and mutual tolerance, this risky operation was carried out without negative impacts on the course of the educational process, research activities, or interruption of interpersonal relationships. We were able to maintain an outstanding level of research publications, high quality education, and further strengthen our ties to the applicational sphere, especially sporting clubs, with the aim of expanding the perception of our faculty as a preferred partner in the area of education and quality research facilities for movement activities and professional sport. The key rule for us was trying to maintain harmony between high demands and a friendly atmosphere, one which defines FPC as a place where it is worth working, studying, and doing research. A place to return to, no matter where your life or professional career might take you.

**MICHAL ŠAFÁŘ**  
DEAN OF THE FACULTY OF PHYSICAL CULTURE



At the Faculty of Law, 2019 – just like previous years of my tenure as dean – carried on in the spirit of intense work. Conditions for employees and students were also improved. Being granted accreditation for habilitating associate

professors and nominating professors in the field of Civil Law represents a huge milestone for our faculty and proof of its quality. Construction of a library and study rooms was begun – the largest investment in the modern history of the faculty. We take pride in the first graduates of our doctoral programme in English and the LL.M. programme. We continued to expand the number of secondary schools specialising in law affiliated with FL and began negotiations regarding student internships with the Meopta company. Nor can I omit the foundation of the Centre for International Humanitarian and Operational Law, operated in conjunction with the Czech Army. We celebrated 20 years of collaboration with Université Clermont Auvergne, and 10 years of the Czech-French Summer School, and we commissioned a plaque to commemorate 60 years since the signing of the Antarctic Treaty. In terms of research, I have to mention two successful Jean Monnet Projects and inclusion of our *International Comparative Law Review* into the Scopus database. For me this was quite a demanding year. I wish our faculty all the best in the future.

**ZDENKA PAPOUŠKOVÁ**  
DEAN OF THE FACULTY OF LAW



The unprecedented expansion of the faculty was documented by the demand for and creation of new study programmes which were opened to students due to unusual interest. These were primarily the unique

Master's programme Imaging Technology in Radiodiagnosis and the Bachelor's programmes Paediatric Nursing and Occupational Therapy. In the works – not only with respect to the threatening pandemic – is the necessary and promising programme Public Health Protection Assistant. In the framework of internationalisation, promising contacts with international top-ranking universities outside Europe took off. A cooperative project including student exchanges with the University of Newcastle, Australia and Hangzhou Normal University, China, began. The faculty is experiencing promising development in science, research, and academics. Due to all this, our faculty is recognised throughout the Czech Republic and abroad. And what do I appreciate the most? The fact that FHS graduates find nearly 100% employment. My thanks thus go out to all our teachers and other faculty employees for a job well done.

**JAROSLAV VOMÁČKA**  
DEAN OF THE FACULTY OF HEALTH SCIENCES



↑ Rector's Office



## Finances

### IN THE YEAR 2019

Palacký University's budget is managed as a whole. For internal reasons of accounting, monitoring and evaluating expenses and income, it is divided into 20 parts: 8 faculties, 11 university institutions, and the Rector's Office. Profit for the year 2018 was 45,084 thousand CZK. Based on the approval of the UP Academic Senate (AS UP), it was distributed into the Fixed Assets Development Fund (1,314 thousand CZK), the

Awards and Subsidies Fund (1,831 thousand CZK), and the Operating Fund (41,939 thousand CZK).

Accounting for the year 2019 showed an after-tax profit of 66,225 thousand CZK, which was reallocated after a meeting of the AS UP and after approval of the Annual Report on UP Finances for the year 2019 by the Czech Ministry of Education, Youth and Sports. ■

PROFIT AND LOSS FOR THE YEAR 2019 IN THOUSANDS CZK			
Public university sectors	Income from main activities	Income from supplementary activities	Total income
Faculty of Health Sciences	1,280	28	1,308
Faculty of Medicine and Dentistry	1,528	2,863	4,391
Faculty of Arts	2,886	996	3,882
Faculty of Science	4,658	1,995	6,653
Faculty of Education	-498	726	228
Faculty of Physical Culture	2,574	-4,690	-2,116
Sts Cyril and Methodius Faculty of Theology	0	3	3
Faculty of Law	0	156	156
UP Accommodation and Dining Facilities	13,995	9,363	23,358
UP Rector's Office	25,821	497	26,318
UP Library	0	59	59
Palacký University Press	0	317	317
UP Information Technology Centre	874	14	888
UP Armoury	0	0	0
UP Science and Technology Park	-2,625	481	-2,144
UP Academic Sport Centre	-2	2	0
UP Project Service	2,634	0	2,634
UP Centre for Students with Special Needs	0	0	0
UP Confucius Institute	439	0	439
UP King Sejong Institute	-149	0	-149
<b>TOTAL</b>	<b>53,415</b>	<b>12,810</b>	<b>66,225</b>



↑ Olomouc is one of the oldest cities in the Czech Republic and is known as the "Czech Oxford".

## Basic Information about the University

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Telephone: (+420) 585 631 111

Electronic Filing Office address: admissions@upol.cz

WWW address: www.upol.cz/en

## Faculties of Palacký University Olomouc

- STS CYRIL AND METHODIUS FACULTY OF THEOLOGY (CMFT)  
Univerzitní 22, Olomouc, Czech Republic, CZ-77900
- FACULTY OF MEDICINE AND DENTISTRY (FMD)  
Hněvotínská 3, Olomouc, Czech Republic, CZ-77515
- FACULTY OF ARTS (FA)  
Křížkovského 10, Olomouc, Czech Republic, CZ-77180
- FACULTY OF SCIENCE (FS)  
17. listopadu 12, Olomouc, Czech Republic, CZ-77900
- FACULTY OF EDUCATION (FE)  
Žižkovo náměstí 5, Olomouc, Czech Republic, CZ-77900
- FACULTY OF PHYSICAL CULTURE (FPC)  
tř. Míru 117, Olomouc, Czech Republic, CZ-77111
- FACULTY OF LAW (FL)  
17. listopadu 8, Olomouc, Czech Republic, CZ-77900
- FACULTY OF HEALTH SCIENCES (FHS)  
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