



2020



PALACKÝ UNIVERSITY OLOMOUC
2020 ANNUAL REPORT

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A Word from the Rector

In the annals of Palacký University Olomouc (UP), the year 2020 will go down as the year of the Covid-19 pandemic and the shuttering of the university. At the same time, this unexpected crisis clearly showed the tremendous power of the solidarity, flexibility, and creativity of the academic community, which was able to use its potential not only to help individuals and institutions but also in the development of new forms of education. In defiance of the pandemic, UP did not give up on its development but showed that its ambition and fame go beyond the borders of the Czech Republic. Our colleagues at the Faculty of Science began to teach at the UP campus in Erbil in

Iraqi Kurdistan, the Academic Senate approved the creation of the CATRIN scientific institute, and the university in the venerable tradition of an open and liberal academy expressed its solidarity for persecuted Belarusian students and academics, announcing a stipend programme for their benefit. At the same time, the university passed a complex evaluation by the Evaluation 2017+ programme, the results of which placed UP among the top research institutions in the country. 2020 was a difficult, critical year; but at the same time, it was a year full of hope, for it revealed the enormous potential of our university community.



JAROSLAV MILLER
Rector of Palacký University Olomouc





← *The Three Kings at the Rector's Office*

2020 at UP
A CALENDAR OF
NOTEWORTHY EVENTS

JANUARY

The blessing of the Three Kings

Caspar, Melchior, and Balthasar arrived on horseback to the university to collect for the needy and left the message *Christus mansionem benedicat* on white chalk at the university entrance: Christ Bless this House.

UP teaching in Kurdistan

Erbil. The capital of Iraqi Kurdistan – and now also the seat of an educational project in which Palacký University participates with its life-long learning course in Petroleum Engineering.



↑ UP's educational activities in Erbil

FEBRUARY

UP commemorated its reinstatement

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 inauguration of two deans, presentation of the Rector's Awards, and blood donations.

New Czech textbooks for foreigners

The first two volumes of a new series of textbooks teaching Czech to foreigners entitled *Czech it UP* were published by UP Press.

MARCH

UP Sports Club celebrated 70 years

The UP Sports Club celebrated the 70th anniversary of its existence and awarded its most successful athletes and group leaders.

APRIL

A new database of Creative Olomouc

A database of creative talents, listing over a thousand subjects, was prepared by the UP team as part of a project mapping the cultural and creative industries in Olomouc. In September, the university published the first volume of its *Design* catalogue.

MAY

UP Academic Senate elected online

The first-ever online election resulted in the new composition of the UP Academic Senate for the 2020–2023 term. The election was conducted by electronic voting due to the coronavirus pandemic.

JUNE

Library named after Milada Horáková

The Faculty of Law named its new library after Milada Horáková, a lawyer, politician, and political martyr of the communist show trials after WW2.

JULY

Mostly EU participants at Summer School

Those interested in intensive Czech studies in Olomouc were not discouraged even by the strict epidemic measures. The Summer School of Slavonic Studies at the Faculty of Arts was attended mainly by enthusiasts from EU countries. Other summer schools moved online.

AUGUST

UP supported Belarusian citizens

Palacký University expressed its support for Belarusian citizens striving for liberal and democratic development in their homeland. UP management offered a special study programme to those interested in studying in the Czech Republic, selecting eight scholarship recipients.

SEPTEMBER

A new institute for paramedics

A new institute for the education of paramedics was established on 1 September. According to the management of the Faculty of Health Sciences, this step will enable the further development of this study.

BALUO hosted a swimming championship

The BALUO Application Centre at the Faculty of Physical Culture was the venue of the Czech Academic Championship in swimming.

OCTOBER

Faculty of Theology celebrated a milestone

Three decades since the resumption of its activities and the act of incorporation into the UP family were commemorated by the Sts Cyril and Methodius Faculty of Theology. A special website and a photo exhibition marking the anniversary were prepared.

NOVEMBER

UP commemorated 17 November

A floral wreath with a ribbon in the national colours decorated the Monument to the Fighters for Freedom and Democracy in front of the Faculty of Law in the commemoration of the November 17 national holiday, dedicated to the student uprisings in 1939 and 1989, now known as International Students' Day.

Book by Jiří Louda with an introduction by Prince Charles

Three years of editorial work and a thousand distinctive drawings of coats of arms received their imprimatur via an introduction by Charles, Prince of Wales. UP Press and the Olomouc Regional Museum published the book in time for what would have been Jiří Louda's centennial.

DECEMBER

Christmas for everyone again

Christmas for All, a charity initiative of UP students, delighted patients in long-term hospital stays as well as children with autism spectrum disorder with small gifts.

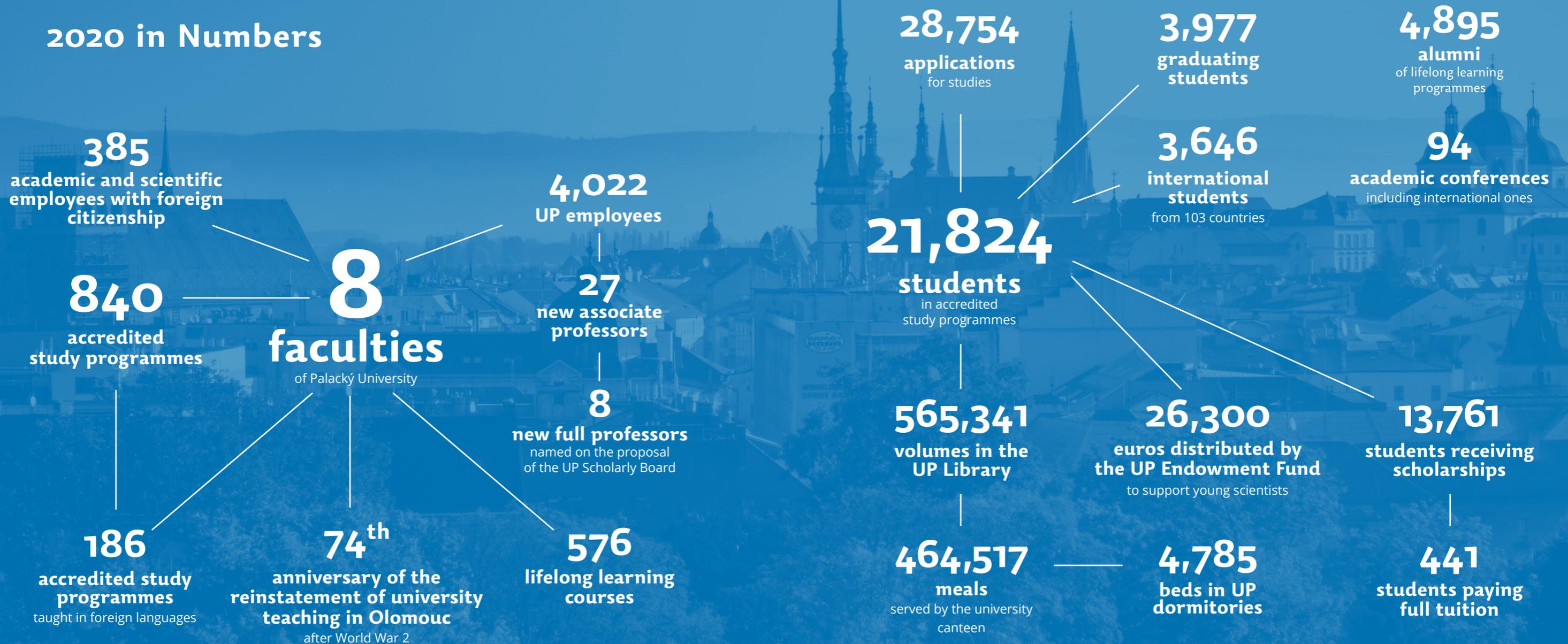
UP celebrated 447 years of its existence

The university commemorated its foundation on 22 December 1573, when the local Jesuit Academy was granted graduation rights. UP is the oldest university in Moravia and the second oldest in the Czech Republic. ■



† Dean Peter Tavel by the photograph from the act of incorporation of the Faculty of Theology into UP

2020 in Numbers





← Thanks to a donation challenge, 1,100 snack packages were delivered to medical staff.

University in the Time of the Pandemic

In 2020 Palacký University reacted to a situation which has no parallel in the history of modern Czech society. The worldwide Covid-19 pandemic and the government measures against the spread of the disease paralysed normal life at UP. The university was able to ensure continuous education by providing online classes as well as managing other operations, and thanks to strict measures, solidarity, and responsibility, greater harm was avoided.



† Nanofibre material for respirators was created by UP scientists working in tandem with the UP Science and Technology Park.

Palacký University was able to show in the time of the pandemic that it can be relied on by both society and the state. UP students helped in healthcare and welfare facilities, where they sewed facemasks together with the staff. University facilities manufactured hand sanitiser, protective gear, and invented new methods of testing for the presence of the novel coronavirus.

Many members of the academic community devoted energy to helping above and beyond the ordinary, all the while under the difficult conditions of closed university buildings, cancellation of face-to-face teaching, and the transition to online space. Students finished their courses, tests, and state exams online, and the

transformations trickled all the way down to entrance exams.

Production of hand sanitiser and protective gear

Hundreds of litres of hand sanitiser were produced by experts at the Faculty of Science to help in the measures against the spread of the coronavirus, finding use in a number of state and other institutions. Chemists from the Regional Centre of Advanced Technologies and Materials (RCPTM) did the same. Their synergy produced hundreds of litres of sanitiser per week during the spring of 2020.



† Scientists from the Faculty of Medicine and Dentistry invented a new type of rapid test for Covid-19.

3D printing of face shields

Thousands of face shields which reduce the risk of contracting the Covid-19 virus were produced with the help of 3D printers by experts from the Faculty of Science and representatives of the Faculty of Education. The shields were given not only to hospitals, but also to general practitioners, dentists, pharmacy workers, EMTs, police, schools, and social services.

Institutes conducted large-scale testing

The laboratory at the Institute of Molecular and Translational Medicine (IMTM) did mass testing of up to 600 samples daily for the SARS-CoV-2 virus responsible for Covid-19. The

Microbiology Department of the UP Faculty of Medicine and Dentistry and University Hospital Olomouc tested up to 200 samples daily as well. These workplaces played an important role not only within the Olomouc Region, but also helped overwhelmed testing places in other regions.

Screening and gargle tests

Scientists from the Faculty of Medicine and Dentistry developed a new type of rapid test which could detect the presence of the coronavirus within one hour, even in individuals without symptoms. The GARGTEST self-test kit (based on the principle of gargling) which the IMTM helped develop was also put into use in the Czech Republic.

Students and employees to the rescue

Many UP students decided to offer aid during the emergency situation, helping out at hospitals in the Czech Republic and Slovakia or at regional public health authorities. Hundreds took part in the diverse volunteer work organised by the UP Volunteering Centre.

Collection point for face masks

Olomouc Sews Masks. This was the name of a citizen's initiative created in Olomouc in reaction to the spring unavailability of facemasks in the Czech Republic. UP joined in, with collection boxes for facemasks placed at the university library.

Hotlines for domestic and international students

The Sts Cyril and Methodius Faculty of Theology, in cooperation with the Olomouc Archbishopric, launched an emergency psychological hotline, which was used by more than 130 people in 2020. The state of emergency in the Czech Republic also affected hundreds of international students and residents, so UP in cooperation with the regional public health authority set up hotlines in English.

Department of Psychology students from the Faculty of Arts launched an online psychological hotline, and Faculty of Law students gave online legal advice. The Faculty of Health Sciences student support team offered support to afflicted students.

Donations pleased healthcare workers

Donators to a Snacks for Heroes challenge raised nearly CZK 100,000 (€40,000) and greatly pleased medics in Olomouc hospitals, the recipients of more than 1,100 bundles.

Useful activities for improving one's moods

Tips for a healthy body and soul

The Faculty of Physical Culture prepared tips for exercising at home, as well as e-books and apps for self-development. Fort Science shared instructional videos on chemical experiments and art activities, and activities for memory training intended for seniors. The Communications Office also designed a series of tips.

Online concerts soothed isolation

A series of five online concerts was prepared during April by the UP International Relations Office (not only) for students, who persevered through preventive isolation in Olomouc dorms.

Geoinformatics students created a coronavirus map

Information on the spread of coronavirus in the Olomouc Region combined with an interactive map was the end result of a hackathon by Faculty of Science students. The web depicts the actual number of infected people by municipality, closed border crossings, and an overview of news and information from government bulletin boards and the regional public health authority. ■



↪ The university thanks all who volunteered.



← The Open Days in January still took place in traditional form.

Applicants, Students, Alumni

Applicants for study

The absence of traditional tertiary education fairs, the Open Days online, the digitisation of materials for prospective students, and the shift of promotional activities to the online sphere – this is what the university had to deal with in 2020. Therefore UniversityTown – Univerzitnimesto.cz – was created, a new platform for applicants. In the 2019/2020 academic year, UP registered over 28,000 applications – which rose to 32,000 the following year.

Growing interest in studying in Olomouc

In 2020, UP registered a total of 28,754 applications for study from almost 22,000 applicants, which is again an increase compared to the previous years. In mid-March 2021, UP registered 32,347 applications for study, the highest number since 2012.

The higher education fair season ended before it began

Before the pandemic arrived in Europe, UP students, under the supervision of the Communications Office, managed to present what their university offers at the Gaudeamus Fair in Prague and during the Gaudeamus Roadshow in the Slovak towns Trnava,

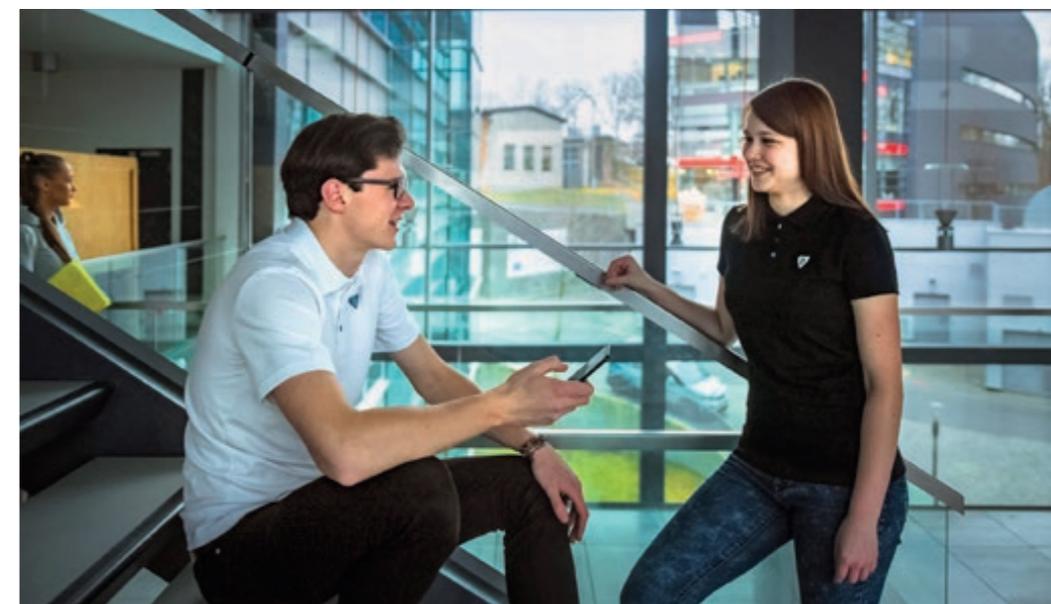
Žilina, Banská Bystrica, Prešov, and Košice. The largest fairs in Brno, Bratislava, and Nitra could not take place, so UP participated in Gaudeamus online presentations.

Visiting the university town online

The pandemic also affected the UP Open Days in December, which were eventually held online at the new website univerzitnimesto.cz, which provides basic information about UP as well as an overview of study programmes, a glossary of terms, videos, 3D tours, chats, and the possibility of contacting faculty ambassadors directly.

UP offers new programmes

Every year Palacký University launches new study programmes reflecting current trends. The Faculty of Theology was the first in the Czech Republic to offer a programme in Theology taught completely online, as well as Applied Psychotherapy and Innovations in Social Work. The offer has also been expanded to include programmes in Theory and History of Fine Arts with a specialisation in Heritage Conservation, Sociology with a specialisation in Economic Sociology, General Linguistics, Linguistics and Digital Humanities, Chemistry – Analyst Specialist, and Health Protection and Promotion. ■



Students

In 2020, 840 study programmes in the Czech language and 186 programmes in foreign languages were accredited at UP. They were attended by a total of 21,824 students, with the largest number of students at the Faculties of Arts, Education, and Science. The number of newly enrolled students was 8,814.

Literary contest had a strong year

For the twenty-sixth time, students entered their poems and prose texts in the UP Student Literary Contest announced by the Rector. The jury evaluated 84 entries from 76 students.

Rector awarded publications and athletes

A total of 66 awards were given by Rector Jaroslav Miller at the presentation of the Rector's Awards for Students and honourable mentions for the authors of monographs for 2020. The best student athletes were also awarded.

Blood donated by hundreds

102 UP students and employees took part in the event Donate Blood with the Rector. In 2020, University Hospital Olomouc registered 954 "university" blood donations. In the winter semester, students of the Faculty of Health Sciences announced a competition between UP faculties in free blood donation, and 119 litres of blood were donated.

Renata Zachová made judo history

Renata Zachová, a student of the Faculty of Physical Culture, won the bronze at a senior Grand Prix tournament in Tel Aviv, and also won the European Junior Championship.

Victorious volleyball players

The UP Volleyball Club players, who became the champions of the Czech Republic and won the trophy in the MEVZA Middle European League, also dominated the Best Olomouc Athlete and the Best Olomouc Region Athlete polls.

AFO and Student May Celebrations online, MEET UP cancelled

Spring cultural events were also victims of the pandemic. Academia Film Olomouc celebrated the 55th year of its existence online on the platform watchandknow.cz. UP's Student May Celebrations, in their tenth year, were postponed until autumn; but in the end, took place in September online. Sadly, the traditional MEET UP event welcoming new students had to be cancelled entirely. ■



↑ 70 graduates came to the Silver Graduation at the Faculty of Science.

Alumni

Faculty hosted Silver Graduation

Seventy graduates of the Faculty of Science attended the Silver Graduation, which was held as an outdoor event. The former students, who graduated in 1995, reminisced about their student years and retook their graduation vows after a quarter of a century.

Alumni Club has over 11,000 members

The UP Alumni Club has 11,636 members. Graduates who become members of the club can enjoy a num-

ber of benefits, especially discounts for goods, services, accommodation, and tickets to cultural events.

743 students graduated from U3A

The UP's University of the Third Age (U3A) was successfully completed by 743 students. It has branches in Uherské Hradiště, Valašské Meziříčí, Vyškov, and Šternberk. ■

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
FACULTY OF MEDICINE AND DENTISTRY													
		0	0	0	4,392	699	443	89	40	33	106	97	95
Natural sciences, mathematics and statistics	05	0	0	0	0	0	0	0	0	0	4	4	3
Health and welfare	09	0	0	0	4,392	699	443	89	40	33	102	93	92
FACULTY OF HEALTH SCIENCES													
		1,751	293	284	0	0	0	518	155	155	5	5	4
Health and welfare	09	1,751	293	284	0	0	0	518	155	155	5	5	4
FACULTY OF ARTS													
		5,413	1,872	1,459	0	0	0	1,109	586	496	147	99	94
Education	01	252	89	75	0	0	0	116	70	64	9	5	5
Arts and humanities	02	2,500	1,212	908	0	0	0	536	327	283	115	79	74
Social sciences, journalism, information sciences	03	2,352	479	402	0	0	0	457	189	149	23	15	15
Business, administration and law	04	309	92	74	0	0	0	0	0	0	0	0	0
FACULTY OF LAW													
		313	119	59	1,327	615	288	62	42	38	42	27	24
Social sciences, journalism, information sciences	03	0	0	0	0	0	0	57	38	36	0	0	0
Business, administration and law	04	313	119	59	1,327	615	288	5	4	2	42	27	24
STS CYRIL AND METHODIUS FACULTY OF THEOLOGY													
		966	673	671	18	16	12	299	150	141	27	21	21
Education	01	9	6	6	0	0	0	4	3	3	0	0	0
Arts and humanities	02	574	488	486	18	16	12	23	17	16	7	6	6

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	383	179	179	0	0	0	272	130	122	20	15	15
FACULTY OF SCIENCE													
		3,088	2,614	1,165	0	0	0	777	658	390	89	84	73
Education	01	653	615	253	0	0	0	247	225	141	2	1	1
Natural sciences, mathematics and statistics	05	1,943	1,619	669	0	0	0	459	368	209	80	77	67
Information and communication technologies	06	382	317	212	0	0	0	50	50	26	2	1	1
Engineering, manufacturing and construction	07	33	33	12	0	0	0	8	8	7	5	5	4
Health and welfare	09	77	30	19	0	0	0	13	7	7	0	0	0
FACULTY OF EDUCATION													
		4,037	1,564	1,181	951	271	218	1,264	770	666	77	54	53
Education	01	3,758	1,368	1,033	732	254	201	1,139	695	603	77	54	53
Arts and humanities	05	0	0	0	0	0	0	2	2	0	0	0	0
Health and welfare	09	279	196	148	219	17	17	123	73	63	0	0	0
FACULTY OF PHYSICAL CULTURE													
		1,364	655	490	0	0	0	510	309	251	13	10	10
Education	01	814	508	380	0	0	0	252	171	136	0	0	0
Health and welfare	09	550	147	110	0	0	0	125	38	34	0	0	0
Services	10	0	0	0	0	0	0	133	100	81	13	10	10
TOTAL		16,932	7,790	5,309	6,688	1,601	961	4,628	2,710	2,170	506	397	374

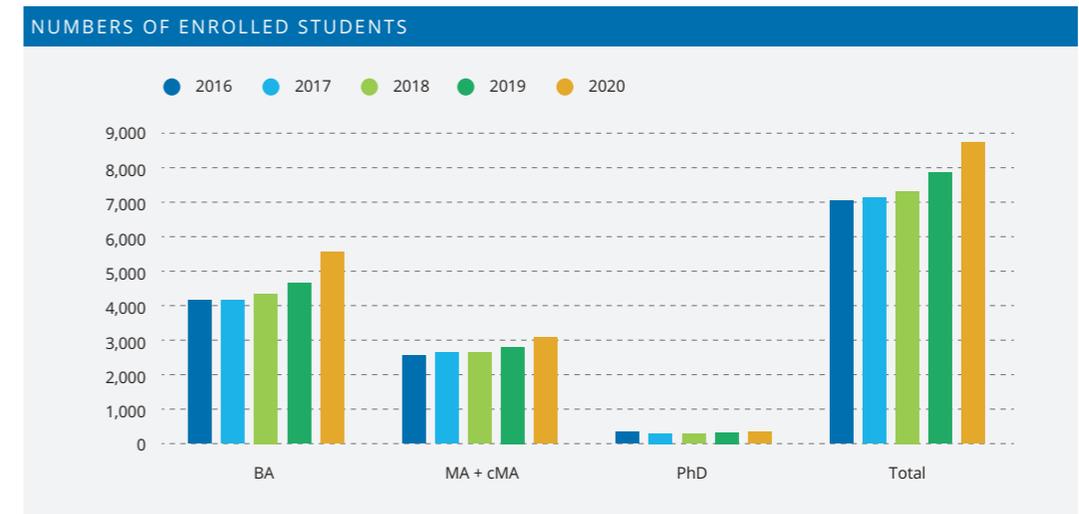
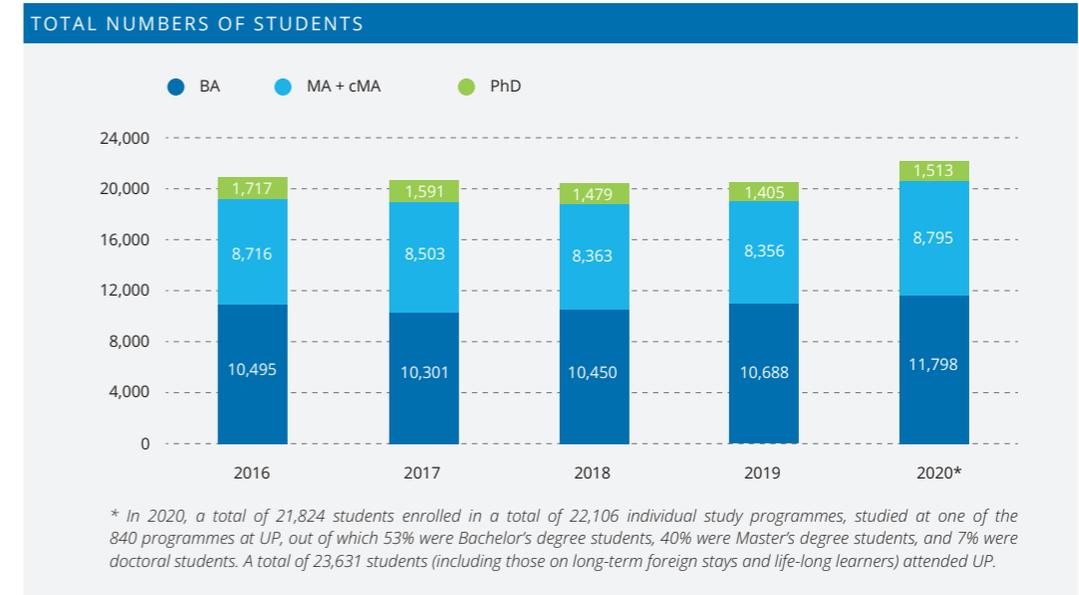
ACCREDITED STUDY PROGRAMMES (NUMBERS)										
Palacký University Olomouc		Bachelor's study (BA)		Master's study (MA)		Continuing Master's study (MA)		Doctoral study (PhD)		TOTAL
ISCED-Fields of study	Code	FT*	C/D**	FT	C/D	FT	C/D	FT	C/D	
FACULTY OF MEDICINE AND DENTISTRY		0	0	4	0	1	1	38	38	82
Natural sciences, mathematics and statistics	05	0	0	0	0	0	0	2	2	4
Health and welfare	09	0	0	4	0	1	1	36	36	78
FACULTY OF HEALTH SCIENCES		10	4	0	0	6	5	2	2	29
Health and welfare	09	10	4	0	0	6	5	2	2	29
FACULTY OF ARTS		61	16	0	0	49	9	47	47	229
Education	01	2	3	0	0	3	3	4	4	19
Arts and humanities	02	44	6	0	0	35	4	33	33	155
Social sciences, journalism and information	03	14	7	0	0	11	2	9	9	52
Business, administration and law	04	1	0	0	0	0	0	1	1	3
FACULTY OF LAW		2	0	2	0	3	0	3	2	12
Social sciences, journalism and information	03	0	0	0	0	1	0	0	0	1
Business, administration and law	04	2	0	2	0	2	0	3	2	11
STS CYRIL AND METHODIUS FACULTY OF THEOLOGY		9	11	2	0	7	9	8	9	55
Education	01	2	4	0	0	2	4	0	0	12
Arts and humanities	02	3	4	2	0	2	2	5	6	24
Social sciences, journalism and information	03	0	0	0	0	0	0	1	1	2

*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	
Health and welfare	09	4	3	0	0	3	3	2	2	17
FACULTY OF SCIENCE		54	11	0	0	58	10	56	54	243
Education	01	9	3	0	0	11	5	4	4	36
Social sciences, journalism and information	03	1	1	0	0	1	1	1	1	6
Natural sciences, mathematics and statistics	05	35	4	0	0	38	4	46	44	171
Information and communication technologies	06	5	3	0	0	5	0	3	3	19
Engineering, manufacturing and construction	07	2	0	0	0	2	0	2	2	8
Health and welfare	09	2	0	0	0	1	0	0	0	3
FACULTY OF EDUCATION		28	22	7	7	28	24	19	19	154
Education	01	23	18	6	6	25	20	18	18	134
Arts and humanities	02	1	0	0	0	1	1	1	1	5
Natural sciences, mathematics and statistics	05	1	1	0	0	0	0	0	0	2
Health and welfare	09	3	3	1	1	2	3	0	0	13
FACULTY OF PHYSICAL CULTURE		9	7	0	0	9	7	2	2	36
Education	01	4	4	0	0	5	4	0	0	17
Health and welfare	09	4	2	0	0	2	0	0	0	8
Services	10	1	1	0	0	2	3	2	2	11
TOTAL		173	71	15	7	161	65	175	173	840

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	289	177	102	37	241	197	12	2	1,057
Arts and humanities	02	378	33	10	0	161	10	25	6	623
Social sciences, journalism, information sciences	03	204	68	0	0	204	26	8	4	514
Business, administration and law	04	33	0	156	0	4	0	5	3	201
Natural sciences, mathematics and statistics	05	223	5	0	0	140	0	27	1	396
Information and communication technologies	06	21	14	0	0	11	0	0	0	46
Health and welfare	09	257	59	296	0	102	76	12	12	814
Services	10	146	34	0	0	78	62	6	0	326
TOTAL		1,551	390	564	37	941	371	95	28	3,977

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





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 2020, the UP EF entered its sixth year of existence; since 2015 it has distributed almost €170 thousand among 48 students, who have travelled on 36 international study/research stays. Students can receive a maximum of €7,800; the amount of support and the selection of recipients are decided by a five-member Board of Trustees. The support is effective and not demanding in terms of paperwork.

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

- **Jaroslav Miller**
UP Rector and Chairman of the EF Board of Trustees
- **Hana Kovářová**
Executive Director, Brand Strategy and Communication, Komerční banka
- **Zdeněk Pechal**
Dean of the UP Faculty of Arts
- **Boris Cvek**
Olomouc University Social Health Institute, UP Sts Cyril and Methodius Theological Faculty
- **Marek Kasák**
Corporate Division Manager, Corporate and Municipal Banking, Komerční banka

The Endowment Fund, thanks to its partnership with Komerční banka (Commercial Bank), received a donation of €12,000 in 2020. Thanks also go to other donors, who include UP employees, students, alumni, and a number of significant personalities, not only from the academic sphere.

Six new talents

Six students received support for their research from the UP EF in 2020. They were chosen from 17 applicants. The Fund distributed €26,200 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 continued the campaign Donate Opportunity, which was aimed at UP alumni and supporters. It gained the trust and financial support from many personalities in the worlds of science, IT, medicine, law, fine art, journalism, and business. In the context of Czech universities, the campaign is a unique outcome of programmes aimed at building relationships with alumni. The Endowment Fund thus received almost €40,000. The Donors' Club, i.e. supporters who donated more than 10,000 CZK (€400), includes 23 UP alumni. ■

Supported students

MARIE PRAŽÁKOVÁ UP FACULTY OF SCIENCE

She studies manganese complex compounds and their possible use in medical applications. Currently used contrast agents are gadolinium(III) complexes, but due to possible health complications, efforts are being made to find suitable alternatives, such as manganese(II) complexes. The aim of the project is to characterise these compounds, evaluate their use, and modify their structure to make them more effective. The support covered laboratory equipment and internship costs.

► Contribution from UP EF: €5,000

LUKÁŠ ZDRAŽIL UP FACULTY OF SCIENCE

The project reconstructs a luminescent solar concentrator based on lead-free perovskite nanocrystals. The resulting device will be transparent and should approach the appearance of clear glass. The product could represent a step towards implementing part of the concept of an environmentally friendly energy grid for the 21st century. The project includes an internship at Friedrich-Alexander-Universität Erlangen-Nürnberg in Germany.

► Contribution from UP EF: €6,150

MAJOR ACHIEVEMENTS OF THE UP EF IN 2020:

- 6 talented students supported
- Rector's Award for volunteers actively engaged in the community during the pandemic
- Held an online Christmas meeting of supported students and donors with the UP Rector
- Organisation of educational activities for supported students, aimed at popularising science and leadership

LUKÁŠ NOVÁK

UP STS CYRIL AND METHODIUS THEOLOGICAL FACULTY

He is interested in the measurement of psychological traits. The aim of his project is to adapt the valid diagnostic tool "Toronto Empathy Questionnaire" to the Czech environment. He would like to verify whether the tool translated into Czech will be able to measure empathy with comparable quality to the Canadian original. The reliability of the tool in terms of temporal stability will also be tested.

► Contribution from UP EF: €750

HELENA PIPOVÁ
UP FACULTY OF ART

We live in an environment where food is industrially processed, readily available, and highly caloric. Such food can be addictive. The study collects representative data on the prevalence of obesity in the Czech population of adolescents, who are experiencing a vulnerable time in their lives and being under intense pressure to look good. The aim of the project is to develop educational materials for professionals and an educational programme for the public.

► CONTRIBUTION FROM UP EF: €6,000

DAVID NOVÁK
UP FACULTY OF MEDICINE AND DENTISTRY

His research is into proteins that can be affected by the investigated biologically active substances. He would like to discover how the influence of neighbouring amino acids varies depending on the distance from cysteine or histidine in the protein chain. The results of the research may help in the design of new drug substances. The support will enable him to attend an internship in Italy.

► CONTRIBUTION FROM UP EF: €6,450

VERONIKA ŠLACHTOVÁ
UP FACULTY OF SCIENCE

She studies the reactivity of small cyclic molecules that tend to expand. The expected products of these reactions could have applications in the treatment of tuberculosis. She also wants to explore new possibilities for the chemical transformation of small cyclic molecules.

► CONTRIBUTION FROM UP EF: €1,900



↑ 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, educational lectures, training and workshops, meetings with employers, conferences, on-line advice, webinars, 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, organising an annual job fair. It also informs students of the other counselling centres which are operating at individual UP 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 (Czech Savings Bank). The service is also supported by the Olomouc Region. ■

UP CAREER CENTRE IN 2020:

- listed 1,639 students, cooperated with 327 firms, held 20 events, mostly online
- provided 198 hours of individualised career counselling
- organised courses Enter!Prise, DigiUP, webinars on stress management and studying in the time of the pandemic, a webinar with coach Marian Jelínek
- conducted workshops for the UP Endowment Fund, meetings with UP alumni, educational lectures in the fields of finances, time management, change management and self-management, CV checking, and a LinkedIn workshop
- organised an online job fair attended by 44 firms and dozens of students
- helped students via its Ambassador Programme
- promoted the possibility of advertising job positions, internships, and volunteer opportunities at www.kariernicentrum.upol.cz
- provided C.O.A.C.H. certified training for centre employees



← UP Deans' Inauguration

Changes in Leadership and New Professors

Rector resigned, two faculties have new deans

The resignation of the Rector and the elections of two new deans were among the most-watched events of 2020. For the next four years, two of the eight faculties have new leaders: the Faculty of Law and the Faculty of Health Sciences. 12 UP professors and 27 new associate professors received their appointment decrees.

Rector Miller announced his resignation

At the December session of the UP Academic Senate, Rector Jaroslav Miller announced his intention to resign from his post, saying that he would leave office on 30 April 2021. Among the reasons that led him to this decision, he mentioned mainly the obstructions related to the establishment of the CATRIN institute of higher education.

Deans took their ceremonial oaths

The new deans of two faculties were inaugurated in February during the UP Academic Week. Václav Stehlík from the Faculty of Law and Martin Procházka from the Faculty of Health Sciences received their dean's insignia from the hands of the Rector at the Archbishop's Palace. The inauguration was attended by many distinguished guests.



↑ Dean Václav Stehlík

ASSOC PROF VÁCLAV STEHLÍK

DEAN OF THE FACULTY OF LAW

Stehlík assumed the position of Dean of the Faculty of Law in January. Since 2014 he has been the head of the Department of International and European Law. In addition to law, he studied English language and literature at the UP Faculty of Arts and has a Master of Laws degree from the University of London. In 2015 he was awarded the Jean Monnet Chair in Law by the European Commission.

PROF MARTIN PROCHÁZKA

DEAN OF THE FACULTY OF HEALTH SCIENCES

He became the third dean of the Faculty of Health Sciences in November 2019. He is a graduate of the UP Faculty of Medicine and Dentistry (FMD) and professor of Gynaecology and Obstetrics. Since 1994, he has worked at the Department of Obstetrics and



↑ Dean Martin Procházka

Gynaecology at the FMD and University Hospital Olomouc, was the head of the Department of Medical Genetics at FMD and University Hospital Olomouc, and the head the Department of Midwifery at the Faculty of Health Sciences.

New professors at UP

Palacký University Olomouc proposed the appointment of 8 new professors in 2020. Twelve academics working at UP received their appointment decrees.

In July 2020, the Minister of Education handed over 80 appointment decrees. Five professors were appointed upon the proposal of the UP Scholarly Board: Kateřina Vitásková, Martin Kudláček, Rudolf Chlup, David Karásek, and Igor Čižmář. Jan Hrbáč was appointed professor on the proposal of the Masaryk University Scientific Board.

In December 2020, the President of the Czech Republic signed 79 appointment decrees. Among the newly appointed professors were 7 professors working at UP: Soňa Jandová, Karsten Rinas, Daniel Šaňák, Karel Hron, Dagmar Horáková, Ivo Machar, and Vladimír Havlík.

PROF IGOR ČIŽMÁŘ, PHD

UP FACULTY OF MEDICINE AND DENTISTRY



Former head of the Department of Traumatology at the UP FMD and University Hospital Olomouc. In 2016 he won the Hippocrates Award in the Doctor of the Year survey. Nominated by the UP Scholarly Board, he was named Professor of Surgery.

PROF VLADIMÍR HAVLÍK

UP FACULTY OF EDUCATION



He works at the Department of Art Education, as head of the Atelier of Intermedia Creation. His specialties are action art and abstract painting. He was nominated by the Scientific Board of the Brno University of Technology and named Professor of Fine Arts.

PROF DAGMAR HORÁKOVÁ, PHD

UP FACULTY OF MEDICINE AND DENTISTRY



She works at the Department of Public Health and focusses on epidemiology of chronic non-infectious diseases. She was nominated by the University of Defence and named Professor of Epidemiology, Preventive Medicine, and Hygiene.

PROF JAN HRBÁČ, PhD**UP FACULTY OF SCIENCE**

He works at the Department of Analytical Chemistry, focussing on the development of functional layers for electrochemical sensors. Nominated by the Scientific Board of Masaryk University, he was named Professor of Physical Chemistry.

PROF KAREL HRON, PhD**UP FACULTY OF SCIENCE**

He works at the Department of Mathematical Analysis and Applications of Mathematics. He deals with statistical analysis of compositional data. He was nominated by the Scientific Board of the University of Ostrava and named Professor of Applied Mathematics.

PROF RUDOLF CHLUP, CSc**UP FACULTY OF MEDICINE AND DENTISTRY**

Leading diabetologist who participated in the creation of the first insulin pen in the world. He works in the Department of Internal Medicine II in University Hospital Olomouc, in the Department of Physiology at UP FMD, and in the Paseka Specialised Medical Institute. Nominated by the UP Scholarly Board, he was named Professor of Internal Diseases.

PROF DAVID KARÁSEK, PhD**UP FACULTY OF MEDICINE AND DENTISTRY**

Head of the Department of Internal Medicine III – Nephrology, Rheumatology and Endocrinology at UP FMD and University Hospital Olomouc, where he is also the head physician of the Diabetes Centre. He is the recipient of the Czech Minister of Health Award for Research and Development. He was nominated by the UP Scholarly Board and named Professor of Internal Diseases.

PROF MARTIN KUDLÁČEK, PhD**UP FACULTY OF PHYSICAL CULTURE**

He focusses on sports and physical education for persons with disabilities – applied physical activities. He was president of the European Federation of Adapted Physical Activity. Nominated by the UP Scholarly Board, he was named Professor of Kinanthropology.

PROF IVO MACHAR, PhD**UP FACULTY OF SCIENCE**

He works at the Department of Development and Environmental Studies. His research focusses on the link between ecosystem services. Nominated by the Scientific Council of Mendel University in Brno, he was named Professor of Forest Ecology.

PROF PHDR. KARSTEN RINAS**UP FACULTY OF ARTS**

He teaches at the Department of German Studies, specialising in Czech-German comparative linguistics and translation. He was nominated by the UP Scholarly Board and named Professor of the German Language.

PROF DANIEL ŠAŇÁK, PhD**UP FACULTY OF MEDICINE AND DENTISTRY**

He works at the Department of Neurology and is the head physician of the Comprehensive Cerebrovascular Centre in University Hospital Olomouc. He was the first in the Czech Republic to introduce the routine use of magnetic resonance imaging in the diagnosis of acute ischemic stroke. He was nominated by the UP Scholarly Board and named Professor of Neurology.

PROF KATEŘINA VITÁSKOVÁ, PhD**UP FACULTY OF EDUCATION**

She works at the Institute of Special Education Studies. She focusses on the issues of impaired communication skills and specifics of communication. She was nominated by the UP Scholarly Board and named Professor of Special Education.

PROF SOŇA JANDOVÁ, PhD

She works at the Technical University of Liberec and at the Faculty of Education at Charles University. She was nominated by the UP Scholarly Board and named Professor of Kinanthropology.

UP has two new professors emeriti

Prof Ludmila Stěpanova and Prof Rostislav Švácha from the Faculty of Arts were named professors emeriti in 2020. They accepted the honour as an expression of recognition of their professional as well as personal qualities. ■



← Konstantinos Kafetsios (in the centre) received the title of Professor Extraordinarius from the hands of UP Rector Jaroslav Miller (left); the Faculty of Arts Dean, Zdeněk Pechal, is on the right.

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 2020, for instance, chemist Niyazi Serdar Sariçiftçi, psychologist Konstantinos Kafetsios, and expert on biomechanics Jim Richards came to UP.

Sarıçiftçi again at UP

Chemist Niyazi Serdar Sarıçiftçi from Johannes Kepler University Linz once again visited UP and its Regional Centre of Advanced Technologies and Materials (RCPTM). He agreed to continue the existing successful cooperation in the use of graphene derivatives in nanobioelectrocatalysis.

Kinesiology conference hosted Jim Richards

Jim Richard, expert on biomechanics from the University of Central Lancashire, was the keynote speaker at the kinesiology conference hosted by the Department of Clinical Rehabilitation at the Faculty of Health Sciences. His lecture focussed on neuro-rehabilitation.



↑ Chemist Niyazi Serdar Sarıçiftçi visited RCPTM.

Pavel Kolář lectured at FPC

The most famous Czech physiotherapist, Pavel Kolář, lectured at the Faculty of Physical Culture. The renowned expert introduced students to the principles and applications of Dynamic Neuromuscular Stabilisation, a method he founded.

Acknowledgement of Kafetsios from the Department of Psychology

Konstantinos Kafetsios, an expert specialising in the research of emotions in social interaction, is a lecturer in the Department of Psychology. In the presence of the Dean of the Faculty of Arts, he received the title of Professor Extraordinarius from the UP Rector. Kafetsios is one of the leading European experts in the field of organisational psychology.



↑ Professor Jim Richards



↑ Portuguese Ambassador to the Czech Republic, Luís de Almeida Sampaio, during his visit to UP with Rector Jaroslav Miller

Josef Kalina on the use of maps in navigation

One of the main guests of the 14th year of the Olomouc Cartographic Day was navigator Josef Kalina, who has almost 30 years of experience from the Dakar Rally. He lectured on the use of maps in navigating racers and the transformation of navigation systems.

Portuguese Ambassador visited UP

Luís de Almeida Sampaio, the new Ambassador of Portugal to the Czech Republic, visited UP. He met with the Rector and representatives and students of the Department of Romance Studies at the Faculty of Arts. The diplomat has previously served as ambassador in Berlin, Angola, Algiers, and Belgrade. ■



↑ The National Security Council Award was received by Zdenka Papoušková (centre), Dean Václav Stehlík (right), and Vice-Dean Martin Faix on behalf of the Faculty of Law.

Awards

Palacký University Olomouc and its academics, scientists, alumni, and students received many awards of import in 2020.

The Faculty of Law received the National Security Council Award

The Faculty of Law is a laureate of the 2020 National Security Council Award for significant contribution to the security policy of the Czech Republic. The Council appreciated the long-term and progressive work of the faculty in matters of security and in the field of international humanitarian and operational law.

UP scored in a marketing competition

A UP mobile app for students and applicants won second place in the Fénix Content Marketing competition. The jury was also impressed by the other promotional activities by UP: its Annual Report, UP Journal, calendars, and the historical photo series.

Minister of Education awarded Kamil Kopecký

Associate Professor Kamil Kopecký received the Minister of Education's Award for outstanding educational activities at the university. At the Faculty of Education, he has long been involved in the field of risky behaviour on the Internet and the use of IT tools in teaching.

Werner von Siemens Award to Ivo Straka

The prestigious Werner von Siemens Award for the best dissertation was awarded to Ivo Straka from the Department of Optics at the Faculty of Science. The scientist focussed on the quantum nature of light in laboratory experiments.

Professor Hrabová honoured by President of the Senate

The President of the Senate of the Parliament of the Czech Republic, Miloš Vystrčil, presented Libuše Hrabová, Professor Emerita at the Faculty of Arts, with

a silver commemorative medal for her exemplary perseverance and persistence and for the elevation of history studies in the Czech Republic.

Silver medal for Josef Jařab

UP Rector Emeritus Josef Jařab received the Silver Medal of Masaryk University in recognition of his professional qualities and civic attitudes.

Michálek received Vladimír Boudník Prize

Ondřej Michálek, a teacher at the Faculty of Education, graphic designer and draughtsman, was awarded the Vladimír Boudník Prize. The award, named after a pioneer of non-conventional graphic techniques, acknowledged his lifelong contribution to graphic art.

Švrček awarded by WFNMC

The Paul Erdős Award, awarded by the World Federation of National Mathematics Competitions, was given to Jaroslav Švrček from the Faculty of Science.

Tereza Kalousková as young inspiring leader

Tereza Kalousková of the UP International Relations Office was given the Aspen Central Europe Leadership Award for her extraordinary activities on behalf of foreign students at UP during the spring coronavirus pandemic. ■



← Václav Ranc (RCPTM) obtained a prestigious grant to treat osteosarcoma.

Science & Research at UP

Prestigious grants and new discoveries

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 2020 was a number of prestigious grants and obtaining funds for putting scientific results into practice.



↑ *Thismia minutissima* with its bright white stem

UP among the best

According to the Council for Research, Development and Innovation, Palacký University is among the top Czech universities. UP succeeded especially in the natural sciences and medicine.

The smallest *Thismiaceae* found in Borneo

So far, the smallest species of *Thismiaceae* was discovered on Borneo by a team of scientists from

the UP Faculty of Science and the Crop Research Institute. *Thismia minutissima* does not resemble any species of *Thismiaceae*. In addition, a new species of carnivorous pitcher plant (*Nepenthes fractiflexa*) was discovered by Martin Dančák from the UP Faculty of Science with his foreign colleagues.

New beetle family discovered

A yet unknown family of beetles was discovered in the Brazilian Atlantic Forest by an international team



↑ Hispanist Iveta Nakládalová received a Marie Skłodowska-Curie grant.

of entomologists including Robin Kundera from the UP Faculty of Science.

Prestigious research grants for Romanists and Iveta Nakládalová

The Department of Romance Studies at the Faculty of Arts, together with nine universities, was awarded a prestigious Marie Skłodowska-Curie grant from Horizon 2020 for the project TRANS.ARCH: Archives in Transition: Collective Memories and Subaltern

Uses. Hispanist Iveta Nakládalová from the Faculty of Arts also received a Marie Skłodowska-Curie grant for her project Early Modern Evangelisation of China: The Franciscan Mission and its Theory.

Four representatives in Highly Cited Researchers

Four UP scientists appeared in 2020 Highly Cited Researchers. Phytochemist Ondřej Novák and chemists Rajender Varma, Radek Zbořil, and Patrik Schmuki



↑ Male and female fireflies

again reached the top 1% of the world's most cited scientists.

Analysis shed light on the origin of fireflies

Fireflies native to what is now Southern China and the West Indies have been on Earth for hundreds of millions of years, and their ancestors resembled click beetles. These conclusions resulted from genetic analysis by scientists from the Faculty of Science.

Improving the treatment of inflammatory bowel diseases

The results of an international study on a special receptor inside cells, in which experts from the UP Faculty of Science participated, could be used effectively to treat inflammatory bowel diseases.

Prof Otyepka received an ERC grant

Thanks to physical chemist Michal Otyepka, the first ever European Research Council (ERC) Proof of



↑ CRH scientists developed VegetUP, a preparation increasing the yield of fruiting vegetables in hydroponic cultivation.

Concept grant to support the transfer of research findings into practice is coming to the Czech Republic. The aim is to verify the production of a new electrode material for supercapacitors.

Five European grants in the natural sciences

Scientists from the Faculty of Science will be involved in five prestigious international projects that focus on osteosarcoma treatment, quantum technologies

beyond Gaussian quantum states and quantum metrology, increasing the stress resistance of potatoes, and finding solutions to the problems of regions in the transition to a carbon-neutral economy.

Nanoparticles for Covid-19 testing used in practice

Miniature particles with a magnetic core for the isolation of viral RNA in Covid-19, developed by RCPTM scientists, are part of the new Covid-19 test-

ing technology designed at the Institute of Organic Chemistry and Biochemistry (IOCB) of the Czech Academy of Sciences. Companies purchased these magnetic nanoballs for diagnostic purposes.

Reconstruction of beetles from the dinosaur era

An international team of scientists led by David Peris from the University of Bonn and Robin Kundrata from the UP Faculty of Science managed to create a detailed reconstruction of beetles whose 99 million-year-old fossils were found in Burmese amber in 2019.

Quantum ruler speeds AI

A unique quantum ruler, which can increase the speed of artificial intelligence and improve the security of quantum communication, was experimentally constructed by experts at the Joint Laboratory of Optics of the Faculty of Science and the Institute of Physics of the Czech Academy of Sciences. ■



CATRIN
Czech Advanced Technology
and Research Institute

**CZECH ADVANCED TECHNOLOGY
AND RESEARCH INSTITUTE (CATRIN)**

The Czech Advanced Technology and Research Institute (CATRIN) is dedicated to interdisciplinary research in nanotechnology, biotechnology, and biomedicine. It focuses on the development of new technologies for clean energy and sustainable environment and for their application in practice. CATRIN's goal is to become one of Europe's leading research institutes.

CATRIN was established in 2020 as a Palacký University higher education institute by integrating the scientific teams of the Centre of the Region Haná for Biotechnology and Agricultural Research (CRH), the Regional Centre of Advanced Technologies and Materials (RCPTM), and the Institute of Molecular and Translational Medicine (ITM).

UP PUBLICATION OUTPUT IN 2020 - REPRESENTED DISCIPLINES ACCORDING TO WOS AND SCOPUS

WOS INCITES			SCOPUS		
Discipline	Number	CNCI*	Discipline	Number	FCI**
Chemistry, Multidisciplinary	145	0.98	Medicine	367	0.83
Plant Sciences	133	1.57	Biochemistry, Genetics and Molecular Biology	337	1.08
Biochemistry & Molecular Biology	104	0.73	Chemistry	302	1.17
Materials Science, Multidisciplinary	86	1.29	Agricultural and Biological Sciences	228	1.45
Environmental Sciences	83	1.12	Physics and Astronomy	211	1.92
Public, Environmental & Occupational Health	75	1.02	Environmental Science	177	1.2
Physics, Particles & Fields	72	1.71	Social Sciences	168	0.53
Nanoscience & Nanotechnology	63	0.96	Materials Science	141	1.48
Chemistry, Physical	60	1.51	Chemical Engineering	139	1.43
Oncology	52	4.47	Engineering	109	1.65
Neurosciences	47	0.16	Mathematics	109	0.77
Pharmacology & Pharmacy	44	0.80	Computer Science	107	0.79
Medicine, Research & Experimental	39	0.65	Arts and Humanities	90	0.55
Ecology	34	3.30	Pharmacology, Toxicology and Pharmaceutics	90	0.89
Green & Sustainable Science & Technology	31	1.23	Earth and Planetary Sciences	60	0.97

2020 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*
Carbon-Based Single-Atom Catalysts for Advanced Applications	35	8.09
Recent development of covalent organic frameworks (COFs): synthesis and catalytic (organic-electro-photo) applications	30	8.96
On the Controlled Loading of Single Platinum Atoms as a Co-Catalyst on TiO ₂ Anatase for Optimized Photocatalytic H ₂ Generation	19	12.97
Tafasitamab plus lenalidomide in relapsed or refractory diffuse large B-cell lymphoma (L-MIND): a multicentre, prospective, single-arm, phase 2 study	15	12.74
Salicylic Acid Targets Protein Phosphatase 2A to Attenuate Growth in Plants	14	9.22

*CNCI = Category Normalized Citation Impact

**FCI = Field-weighted Citation Impact

UP PUBLICATION OUTPUT ACCORDING TO WOS AND SCOPUS BY PUBLICATION TYPE

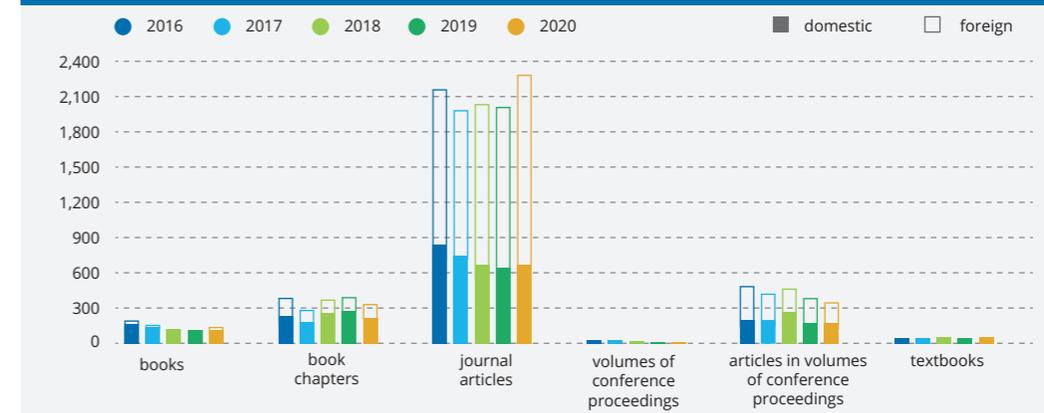
WOS (CORE COLLECTION)

Publication type	Number of publications		
	2018	2019	2020
Article	1,200	1,144	1,204
Review	84	80	124
Proceeding Paper	17	24	13
Meeting Abstract	145	126	70
Editorial Material	13	26	35
Letter	14	15	10
Book Chapter	3	1	0
Book Review	13	0	8
Corrections	12	13	10

SCOPUS

Publication type	Number of publications		
	2018	2019	2020
Article	1,143	1,327	1,395
Review	87	95	140
Article in Press	-	-	-
Conference Paper	63	63	39
Letter	13	13	9
Book Chapter	26	11	14
Editorial	8	11	11
Note	5	10	14
Erratum	9	15	14
Short Survey	1	5	4

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



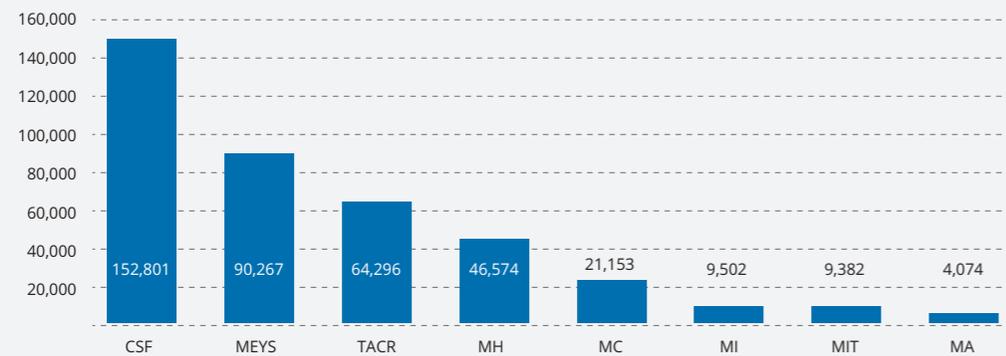
MOST CITED UP ARTICLES IN ACADEMIC PERIODICALS IN WOS INCITES

Periodical	Ranking	Number of articles in the database	Number of citations
International Journal of Environmental Research and Public Health	1	36	41
Biomedical Papers-Olomouc	2	24	13
Journal of High Energy Physics	3	22	26
Scientific Reports	4	20	19
International Journal of Molecular Sciences	5	19	17
The European Physical Journal C	6	18	59
Nanomaterials	7	17	17
Česká a slovenská neurologie a neurochirurgie	7	17	1
Frontiers in Plant Science	9	16	18
Plants-Basel	10	13	10
Molecules	10	13	6
Physics Letters B	12	12	31
Physical Review D	13	11	68
Dalton Transactions	14	10	14
Chemické listy	14	10	2

SUMS FOR FINANCED PROJECTS IN 2020 WHERE UP IS THE CO-INVESTIGATOR OR INVESTIGATOR + FINANCES FROM THE CZECH STATE BUDGET ONLY FOR UP (IN THOUSANDS CZK)

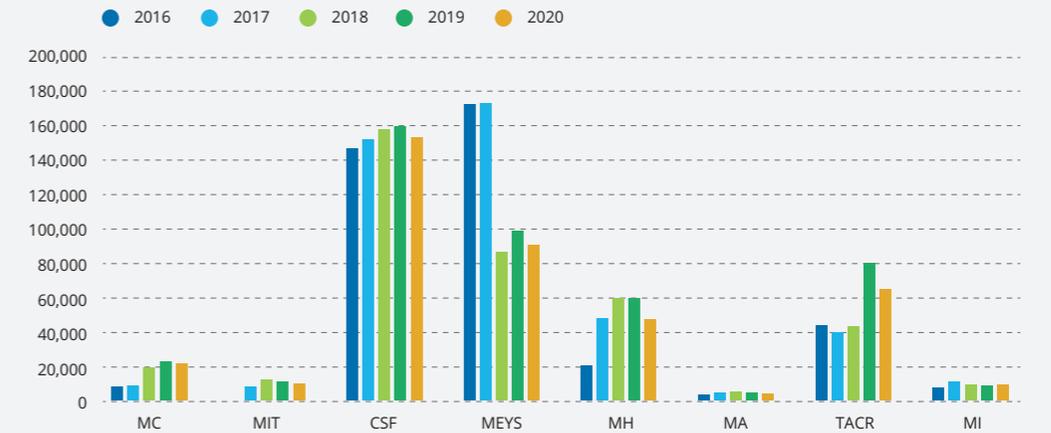
Funding source	Number of projects	Total project budgets (in thousands CZK)	UP's share of project budgets (in thousands CZK)
The Ministry of Education, Youth and Sports of the Czech Republic (MEYS)	44	580,400	90,267
The Technology Agency of the Czech Republic (TACR)	45	325,629	64,296
The Czech Science Foundation (CSF)	126	229,505	152,801
The Ministry of Health of the Czech Republic (MH)	34	91,554	46,574
The Ministry of Culture of the Czech Republic (MC)	9	44,849	21,153
The Ministry of Agriculture of the Czech Republic (MA)	6	23,309	4,074
The Ministry of Industry and Trade of the Czech Republic (MIT)	7	23,166	9,382
The Ministry of the Interior of the Czech Republic (MI)	2	10,668	9,502
TOTAL	273	1,329,080	398,049

COMPARISON OF THE SIZE OF THE SPECIFIC SUPPORT FOR UP IN 2020 (IN THOUSANDS CZK)

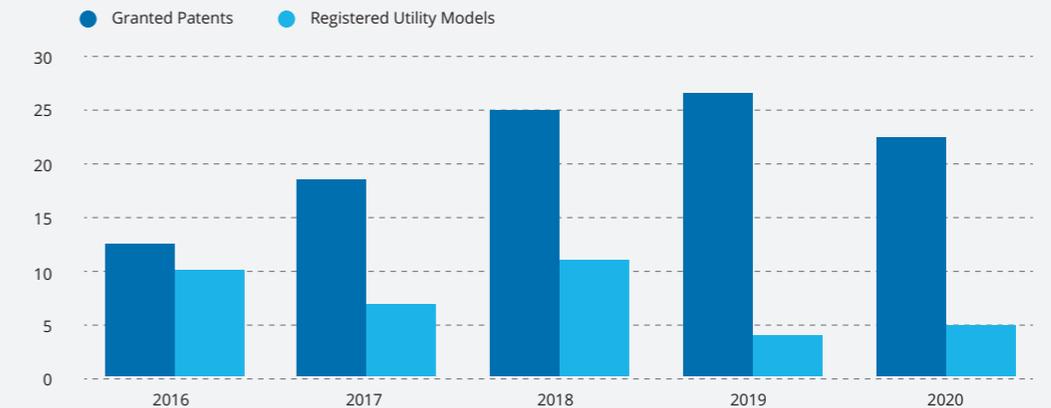


These are support programme funds for UP projects in 2020. The amount for the investigation of 273 projects was 398,049 thousand CZK (€15,609,765).

DEVELOPMENT OF SUPPORT FOR RESEARCH ACTIVITIES AT UP 2016-2020 (IN THOUSANDS CZK)



PATENTS GRANTED AND UTILITY MODELS REGISTERED



In 2020, altogether 22 patents were granted. In addition to this, 5 utility models were also registered.

Global Rankings

UP excelled in QS and ARWU rankings

Palacký University Olomouc improved or maintained its positions in international rankings comparing global universities. It significantly improved its standing in the QS WUR and EECA rankings.

Top 50% in the QS WUR, Top 10% in the EECA

UP's best placing so far was achieved in the QS World University Rankings. Among the more than one thousand evaluated universities from 93 countries, UP ranked 591st–600th, improving its position compared to the previous year and reaching the Top 50% of listed universities. In the QS Emerging Europe and Central Asia Ranking, UP made it for the first time to the Top 10%, being ranked 37th out of 400 subjects.

UP defended its position in the Shanghai Rankings

The overall 501st–600th position in the world and second place among Czech schools – this is how UP excelled in the prestigious Academic Ranking of World Universities (ARWU).

THE World University Rankings: Best improvement in research

Palacký University ranked 601st to 800th in the THE World University Rankings. In the five monitored areas, UP performed best in the International Outlook category, where it finished in 432nd place. UP improved its position in the Research category compared to the previous year, as it leaped from 681st to 572nd position.

UP among the best according to U.S. News

Among the 1,500 best universities in the world ranked in the U.S. News – Best Global Universities Rankings, UP was once again ranked just outside the top five hundred, taking 529th place. ■

UP IN INTERNATIONAL RANKINGS				
Rankings	Position 2017	Position 2018	Position 2019	Position 2020
QS Emerging Europe and Central Asia Ranking	56 th	46 th	44 th	37 th
ARWU – Academic Ranking of World Universities	601 st –700 th	601 st –700 th	501 st –600 th	501 st –600 th
THE World University Rankings	601 st –800 th			
U.S. News Best Global Universities Rankings	479 th	489 th	519 th	529 th
QS World University Rankings	701 st –750 th	651 st –700 th	601 st –650 th	591 st –600 th
CWUR – The Center for World University Rankings	600 th	610 th	572 nd	573 rd

Source: Rankings' websites, positions according to the ranking's year of publication





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 to promote new technologies globally, supporting entrepreneurship and growth for those interested or just starting out in business.

It offers office space and manufacturing halls, services in the area of safeguarding intellectual property and its commercial use, and a specialised workplace with 3D printing. It is also a place for firms who want to foster cooperation with UP research facilities.

UP STP IN 2020 IN NUMBERS:

- 30 tenants
- 92% occupancy
- 32 requests for measuring and research
- 50 commercial translations
- 150 consultation hours
- 11 innovation vouchers
- 58 new industrial property rights
- 6 technologies ready for licensing
- 11 Proof-of-Concept projects launched
- 10 training events
- 3 spin-offs in the preparation phase
- 1 newly created platform: DIGI2Health

UP STP is a member of these professional associations and networks:

- Czech Science and Technology Parks Association
- Transfera.cz
- National Cluster Association
- Czech Association of Innovative Entrepreneurship
- Innovation Centre of the Olomouc Region

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 to commercial firms and subsequent mutual cooperation;

- seeks and supports commercially interesting expertise at UP and helps with its commercialisation;
- finds collaboration with firms in the areas of contracted research, research on commission, and licensing agreements;
- supports the establishment of firms at UP (spin-offs/start-ups);
- finds Proof-of-Concept projects for UP scientific employees;
- provides training in the area of commercialisation for UP employees.

The Business Support Division

Supports entrepreneurship at UP in order to transfer knowledge into practice. Runs training and networking events and lectures, invites interesting personalities from the business world.

UP Business Camp

The online conference subtitled Outline Your Future attracted 130 participants.

Enterprising Mind

The eleventh year of the competition for beginning entrepreneurs chose 10 finalists from 30 applicants. Tomáš Jelínek was the winner with his project Medomat (honey vending machine). Eliška Brázdilová (Restio) won in the Businesswoman category.

HackItUP

Intensive, time-limited teamwork on one's project, resulting in a functional prototype or beta version by



↑ Rental spaces at the UP Science and Technology Park

the deadline. Eight participants took part in 2020's contest.

Leased space for businesses

UP STP leases office space and manufacturing halls. Among the advantages are reception facilities (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,

TYPES OF PREMISES AVAILABLE FOR LEASE:

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

UP STP: COMPARISON, 2018-2020			
	2018	2019	2020
Occupancy (%)	90	94	92
Number of employees in firms leasing space at UP STP	172	173	164
Number of requests for measuring and research	68	34	32
Patents granted	25	26	22

24/7 access to the building, camera security system, security and cleaning services, and the possibility of dining in the complex. In 2020, UP STP had 30 tenants.

Projects

Among the most significant projects which UP STP realised in 2020 were the following:

- Decontamination of Wounded Persons;
- GAMA 2 (Technology Agency of the Czech Republic) 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.

UPrint 3D

This centre for additive production began operations in 2015. It is one of the biggest workplaces of its kind in Moravia, offering 3D print, 3D scanning, consultations and project support to firms and universities. In 2020 the centre realised:

- a model of Bouzov Castle;
- help during the Covid-19 pandemic: printing of plexiglass face shields and sewing machine foot guides;
- printing of model spines for pre-op preparations for University Hospital Olomouc

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 2020, UP STP had 50 commercial cases, processed 32 requests for measuring and research, conducted 150 hours of consultations and 10 training events. The most interesting cooperations for commercialisation of P-o-C projects within the GAMA 2 project were QuitaOnline, Busyman, Criminal Institute of the Czech Police, Tobii, and BePositive.

Entrepreneurship in the area of social sciences and the humanities

UP STP representatives taught a course “Take Part in a Project” at the UP Faculty of Arts. Students tried elaborating their business ideas into a project which they presented before a jury panel. The project SeniorOn, chosen as the semester’s winner, was entered into the national Social Impact Awards contest. ■



↑ Delivery of the 3D model of Bouzov Castle



Accommodation & Dining at UP

UP Accommodation and Dining Facilities' (ADF) activities in 2020 were heavily impacted by the Covid-19 pandemic. Dining halls delivered meals to students in quarantine as well as to senior citizens. ADF continued to perform its duties in the spirit of its motto "A good place for studying and living."

The year 2020 began well, but from March on, the activities of ADF were fundamentally affected by the Covid-19 pandemic and the accompanying government measures which limited the number of students and employees in university facilities. The pandemic also curtailed the amount of requests for ADF services from customers outside UP. With respect to the severe drop in the number of students living in the dormitories, the number of dining hall customers, and the constraints on supplemental activities, ADF's budget went into the red for the first time in years.

As a result of the pandemic, a number of measures were launched at the dormitories to increase the level of hygiene, and to prepare quarantine and isolation rooms. Various forms of living conditions

were prepared for students, as well as payment plans and ways of withdrawing from the dormitory contract.

What's new in accommodation

- Establishment of state-of-the art laundry facilities at the Gen. Svoboda, B. Václavek, and Neředín dorms;
- Opening new study rooms at the Gen. Svoboda, and Neředín dorms;
- Remodelling of living spaces on Masaryk Avenue;
- Construction of new shared kitchenettes and new wheelchair ramps at the E. Rošický dorm;
- A central system for the use of ISIC cards for entry to the Neředín dorms.

ACCOMMODATION SERVICES IN 2020

Total bed capacity at UP dormitories	4,785
Number of requests for housing as of 31 Dec 2020	5,445
Number of satisfied requests for housing as of 31 Dec 2020	5,170
Number of total accommodation-days in 2020	1,094,361

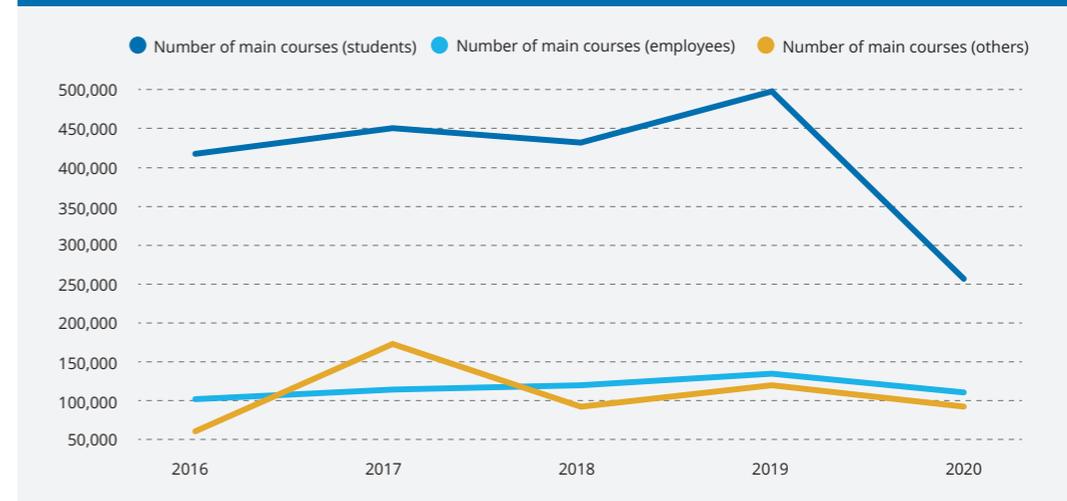
DINING SERVICES IN 2020

Number of meals served to students	255,575
Number of meals served to employees	115,847
Number of meals served to others	93,095

UTILISATION OF DORMITORY BED CAPACITY, 2016-2020



NUMBER OF MEALS SERVED ACCORDING TO DINER CATEGORY, 2016-2020





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

Cooperation with UP

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

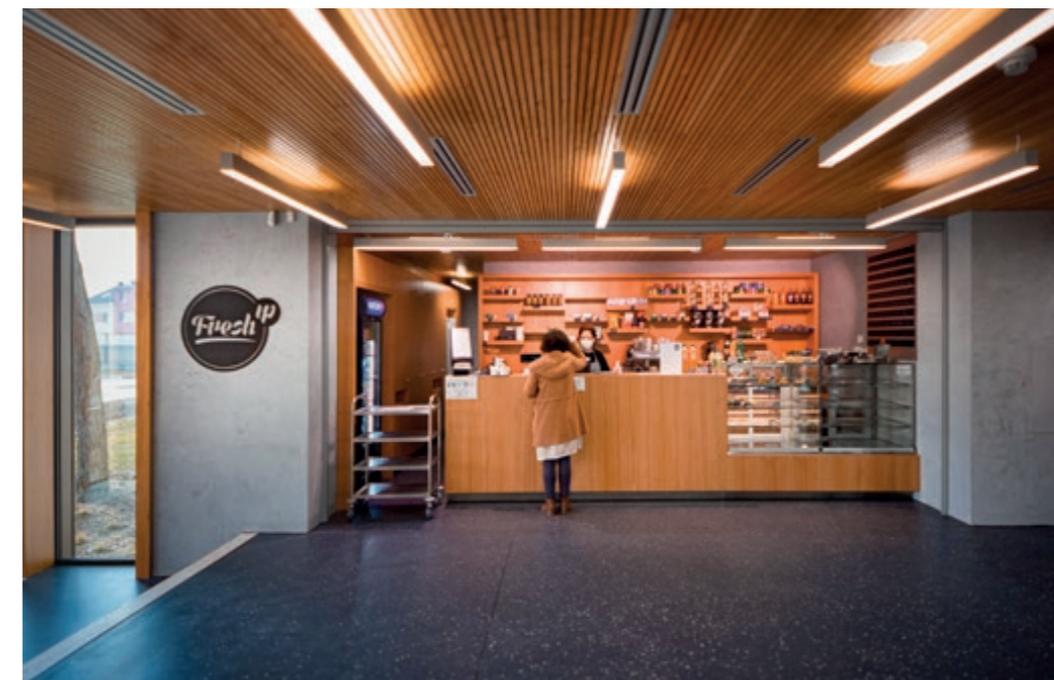
Participation of UP AD at events (a selection):

Summer schools in Slavonic Studies, Numismatics, Czech Studies, Philosophy, Diplomacy, Swimming Camp, Step by Step – a summer school for teachers, the Czech Special Olympics Association, swimming

training, adaptive courses for doctors and dentists, the Moravia Cup, the Brno student choir Vox Iuvenalis, Unios – sports games, the Association of Ex Libris Collectors and Friends, the international Zora Olomouc Women's Handball Tourney, and more.

Opening of new FreshUP bistros

ADF continued its fulfilment of the concept to offer fresh food at its FreshUP bistros by opening three new ones: two at the Faculty of Education, and one at the UP Science and Technology Park. At one bistro



↑ New FreshUP bistro at the UP Science and Technology Park

a facility for producing hot snacks and desserts was installed. The FreshUP bistro concept was met with approval by students and employees alike. The year closed with preparations for opening a FreshUP bistro at the Faculty of Law.

Dining hall activity

UP dining halls prepared and served much less food than per usual in 2020, and its supplemental activities, including catering, were completely shut down. At the start of the pandemic, dining halls boxed meals for

students in quarantine. The nearby Town Office in Samotišky also took advantage of this ADF service, delivering dozens of meals daily to seniors and mothers with children in the first month of the pandemic.

Public procurements

During the course of the year 2020, UP ADF realised smaller public procurements in the amount of €200 thousand, and small purchases for retrofitting dormitories, dining halls and newly opened FreshUP bistros in the amount of €63 thousand. ■



Sustainable University

University to lead by example

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.

UP entered the Aurora Alliance

Palacký University entered the prestigious Aurora Alliance, uniting universities throughout Europe which devote particular attention to the themes of sustainable development and contemporary societal questions, including climate change and digitalisation. The goal is to inspire universities across the continent to take part in education which contributes to the development of societal prosperity with a tangible, positive impact.

UP Volunteering Centre

The Centre acts as an intermediary, matching volunteer opportunities from non-profit and social welfare organisations in the Olomouc Region to university students and employees who want to lend a hand. During the pandemic it proved the potential of volunteers to do good in the public space.

In conjunction with the pandemic, the Centre compiled a database of 500 UP students and employees, the majority of whom joined in to help 40 social welfare institutions and non-profit organisations. Under the auspices of the Centre, a schoolroom for children of Faculty of Medicine and Dentistry and University Hospital Olomouc employees was set up in November. In cooperation with the Olomouc Scouting Institute, they announced a Snacks for Heroes challenge, and were able to raise €40,000 to buy snack packages for hospital wards from local shops.

In September, a record 52 volunteers were awarded the Rector's Prize for their volunteering activities.

The majority were those who helped out during the state of emergency.

Sustainable Palacký

A group of students organising activities focussing on public awareness – film screenings on the theme of sustainability, panel discussions, workshops, excursions, even clothes swaps. Their goal is to enact systemic changes throughout the university environment. Sustainable Palacký should also inspire other universities, clubs, initiatives, and individuals. Their long-term projects include the Václavka community garden located at the dorms and the online Freefood food sharing platform.

Due to the curbing of physical contact during the pandemic, their activities in 2020 were shifted to the online space, and during Advent the initiative ran an enlightenment campaign on the theme of sustainability.

FREESHOP

People can bring items they no longer want to the Freeshop and know that somebody will find a use for them. The project has proven to be especially useful to international students. In 2020 the Freeshop was relocated to the J.L. Fischer dorm.

VÁCLAVKA

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



↑ Reusable university cups

FILL'ER UP

The Dolej si (Fill 'Er UP) project aims to find and mark shops where people can fill up their own water bottles for free, obviating the demand for unnecessary packaging. Founded in Olomouc, this project has already spread internationally.

Seedbank

Now in its fourth year, the Seedbank at the UP Faculty of Science Botanical Garden shares seeds for

vegetables and decorative plants from gardeners' own cultivars.

Sustainable cups

Palacký University has its own reusable plastic cups. Not only do they save money, but their ecological aspect is a real bonus. They were first used during summer events at UP. ■



← Renovated building on Kateřinská Street with its new corner steeple

Construction, Modernisation, Renovations

UP CHANGING THE LOOK OF THE CITY

UP also influences the look of Olomouc. One of the most striking transformations in 2020 was the extensive modernisation of the Faculty of Law and the new steeple on the corner of Kateřinská Street.



↑ The Faculty of Law has a new central wing housing a library and study centre.

The Faculty of Law completed its largest construction

The Faculty of Law completed the largest construction in its modern history. The new central wing of the faculty houses the Milada Horáková Library, a study centre, and the Centre for Clinical Law Education. Thanks to the modernisation, there are also facilities for a law clinic, a new reception area, and wheelchair access.

The premises were consecrated

The Faculty of Physical Culture renovated the Assembly Hall in its main building, and its foyer was transformed

into a chill-out zone. Renovations were also made to classrooms and the building was made wheelchair accessible. The Assembly Hall was blessed by Pavel Stučka, rector of the Archiepiscopal Seminary.

Modern spire on Kateřinská Street

The Olomouc panorama was enriched by the spire of a corner steeple on the remodelled building of the Faculty of Theology on Kateřinská Street. The steel spire reaches a height of 11 metres above the rooftop.



↑ The Olomouc-Holice complex after modernisation

New terrace with insect meadow

Renovations to the roof and improvements to the terrace of the Faculty of Science were completed in mid-year. In summer, a colourful insect meadow bloomed there. The complex also houses a sandstone block with replicas of the ancient masons' marks from the Church of St Moritz in Olomouc.

Modern classrooms and facilities in Holice

Improved conditions for learning and comfortable facilities are available to students thanks to modern class-

rooms with individual study carrels, built at the Faculty of Science in Olomouc-Holice.

Uni t(r)ips: get to know the uni from a different perspective

Important historic buildings, captivating gardens, striking panoramas. UP is not only made up of classrooms and assembly halls but also many enchanting places which could be prominently featured in tourist guides. All of these can be found on the website Uni t(r)ips. ■



← The Summer School of Slavonic Studies at the Faculty of Arts

International Relations & Mobility

Palacký University Olomouc is expanding its internationalisation 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. UP makes presentations at world university fairs and conferences, building upon inter-university contracts on cooperation, and developing strategic partnerships.

In 2020, a total of 3,646 foreign students from 103 countries studied at UP. In comparison with 2019, when the number of foreign students increased, their number went down in 2020, due to the measures against the Covid-19 pandemic. The number of foreign students in accredited programmes, however, continued to rise; most foreign students came from Slovakia, the United Kingdom, Spain, Ukraine, Russia, Italy, China, France, Israel, and Germany.

Contractual agreements with partner universities

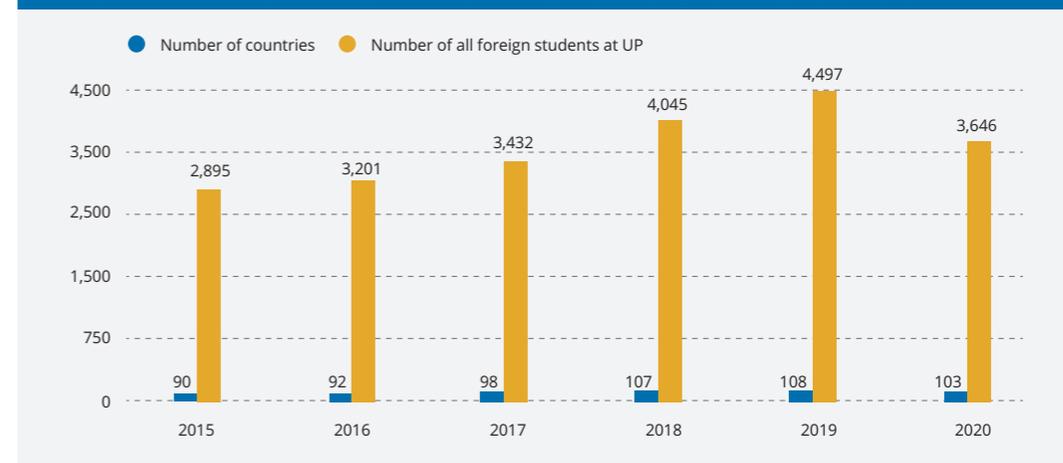
In 2020, UP intensively supported internationalisation of its educational and research environment, mobilities abroad for students and academic and

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. 17 Memorandums of Collaboration with universities from Brazil, Columbia, South Korea, China, Morocco, Poland, Spain, the United Kingdom, Ukraine, and Uzbekistan.

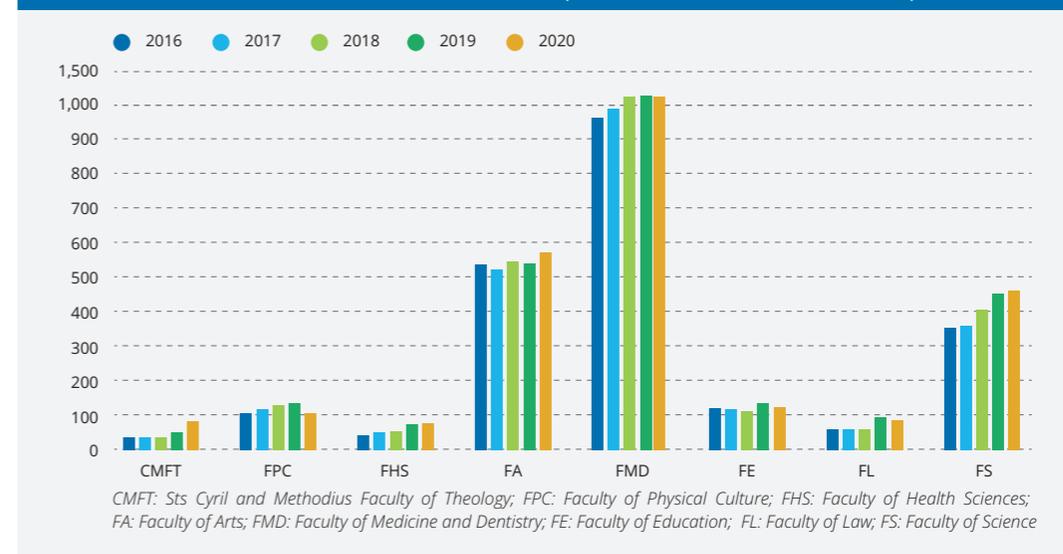
Projects of the European University Alliance under the auspices of the Aurora Alliance were realised, the internationalisation monitoring of Czech Higher Education (MICHE) was evaluated, and the implementation of the UP faculties' strategy in recruiting students to foreign language programmes was strengthened. UP presented itself at online conferences and education fairs abroad.

UP'S INVOLVEMENT IN INTERNATIONAL COOPERATION PROGRAMMES				
Palacký University Olomouc	Horizon 2020 / Seventh Framework Programme of the EU			TOTAL
	Total	Marie-Curie Actions	Others	
Number of projects	19	4	41	60
Number of outgoing students	42	0	422	464
Number of incoming students	44	0	402	446
Number of outgoing academic and scientific workers	5	2	67	72
Number of incoming academic and scientific workers	9	3	148	157
Grants in thousands of CZK	25,322	22,038	47,063	72,385

TRENDS IN THE DEVELOPMENT OF THE NUMBER OF FOREIGN STUDENTS 2015–2020



THE NUMBER OF FOREIGN STUDENTS BY FACULTY (INCLUDING SHORT-TERM STAYS) 2016–2020



STUDY PROGRAMMES IN FOREIGN LANGUAGES (NUMBERS)										
Palacký University Olomouc		Bachelor's studies (BA)		Master's studies (MA)		Continuing Master's studies (MA)		Doctoral studies (PhD)		TOTAL
ISCED-Fields of study	Code	FT*	C/D**	FT	C/D	FT	C/D	FT	C/D	
STS CYRIL AND METHODIUS FACULTY OF THEOLOGY										
Arts and humanities	02	0	0	1	0	0	0	2	2	5
Health and welfare	09	0	0	0	0	0	0	1	1	2
FACULTY OF MEDICINE AND DENTISTRY										
Natural sciences, mathematics and statistics	05	0	0	0	0	0	0	1	1	2
Health and welfare	09	0	0	3	0	0	0	16	10	29
FACULTY OF ARTS										
Education	01	0	0	0	0	0	0	2	2	4
Arts and humanities	02	5	0	0	0	2	1	3	3	14
Social sciences, journalism and information	03	0	0	0	0	2	0	3	3	8
FACULTY OF SCIENCE										
Education	01	0	0	0	0	2	0	1	1	4
Social sciences, journalism and information	03	0	0	0	0	1	0	1	1	3

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

STUDY PROGRAMMES IN FOREIGN LANGUAGES (NUMBERS)										
Palacký University Olomouc		Bachelor's studies (BA)		Master's studies (MA)		Continuing Master's studies (MA)		Doctoral studies (PhD)		TOTAL
ISCED-Fields of study	Code	FT	C/D	FT	C/D	FT	C/D	FT	C/D	
Natural sciences, mathematics and statistics	05	1	1	0	0	9	1	26	25	63
Information and communication technologies	06	0	0	0	0	0	0	2	2	4
Engineering, manufacturing and construction	07	1	0	0	0	1	0	1	1	4
FACULTY OF EDUCATION										
Education	01	4	2	1	1	5	3	9	9	34
Health and welfare	09	0	0	0	0	1	0	0	0	1
FACULTY OF PHYSICAL CULTURE										
Service	10	0	0	0	0	1	0	1	1	3
FACULTY OF LAW										
Business, administration and law	04	0	0	0	0	2	0	2	1	5
FACULTY OF HEALTH SCIENCES										
Health and welfare	09	1	0	0	0	0	0	0	0	1
TOTAL		12	3	5	1	26	5	71	63	186

International educational programmes and mobilities

In 2020, UP joined the Aurora Alliance; the European University Alliance was one of the six best projects nominated for the STUDY IN award in the field of internationalisation. Furthermore, the accreditation for teaching Petroleum Engineering at the UP campus in Erbil, Iraq, was obtained; successful projects also include the Internationalisation in Higher Education for Society, Erasmus+ Programme, Key Action 2: Strategic Partnerships, and the largest Erasmus+ KA107 grant in the Czech Republic.

New Joint/Double Degree and Cotutelle contracts were prepared. IP projects, ESF and CEEPUS programmes, and internationalisation resources were used for student and academic mobilities. The UP International Relations Office implemented the UP mobility scholarship programmes and the Merrill Program.

Participation in the Erasmus+ programme

The programme most used for mobilities of students and staff at UP is still Erasmus+. The realisation of the mobilities was negatively affected by the pandemic, nonetheless students and staff were largely interested in taking part in the programmes.

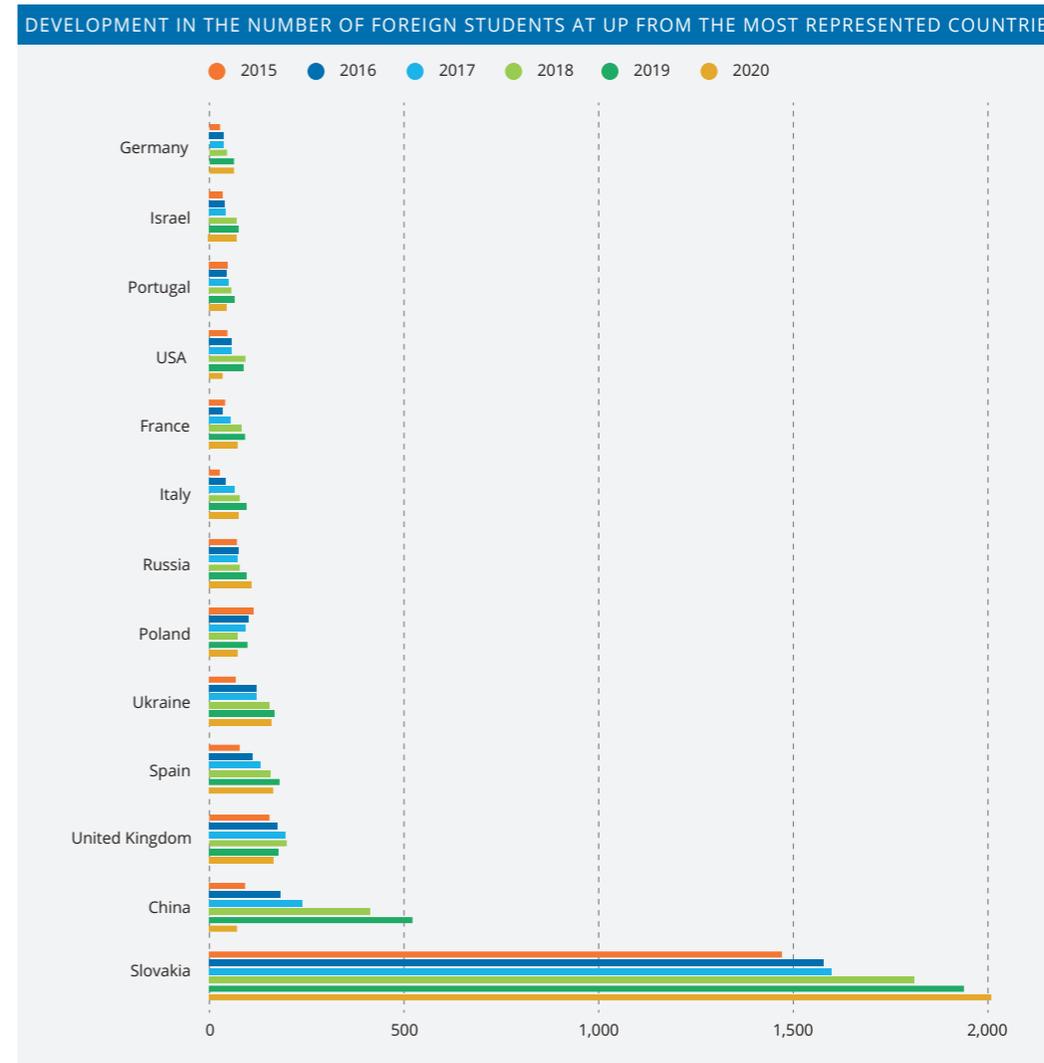
In total, 475 UP students took part in study stays in 2020. The most popular country was again Spain; more students than ever chose Austria, France, and

Italy. UP sent 139 students on internships, most often to the United Kingdom, Germany, Austria, and France. The number of accepted students to UP, mostly from Spain, Poland, Slovakia, France, and Italy, was almost 400. Staff mobility was significantly affected by the pandemic, as many foreign universities implemented online teaching or refused to accept foreign teachers.

In 2020, UP again received the largest ever international credit mobility project in the Czech Republic: in 2020–2023 UP should implement 560 student and staff exchanges with partners in 20 countries. However, the implementation of the mobilities had to be postponed due to the pandemic. The GLODEP study programme, in which UP is the coordinator, was approved to be funded for the next four years. Despite the restrictions and online learning, it has enjoyed great interest from students.

Institutes and centres

All language & culture centres continued to develop their activities. Their activities were influenced by the pandemic situation and most of the events were transferred to the online sphere. The Confucius Institute organised lectures, workshops, international Chinese proficiency tests (HSK), and Chinese language classes. The King Sejong Institute focussed on Korean language courses for students, and the UP French Centre embraced its cultural events. ■





← A globe was installed in the atrium of the UP Arts Centre, where the AFO programme traditionally takes place.

AFO 2020

55TH ANNUAL FESTIVAL
OF POPULAR SCIENCE FILMS



↑ *The Serengeti Rules won the AFO Prize for Best International Popular Science Documentary Film.*

Popular science documentaries online, from the safety of one's home

The international Academia Film Olomouc festival of popular science films was forced to adapt its 55th year to the ongoing pandemic situation. It took place in the autumn rather than the spring, and in an online format. 10,800 viewers registered on the free platform watchandknow.cz to see over 80 documentaries.

For its first year online, AFO combined with the Czech University of Life Sciences (ČZU) Film Fest. Thanks to the merger, viewers could choose from both festivals. The main AFO programme took place from 1–15 October. The platform however remained open for several months after the festival. “2020 was a challenge for us. The uncertainty which sprung from the developing

pandemic situation, and at the same time the effort to take a responsible approach to viewers as well as the festival team, led to the decision to take the festival online. Thanks to that decision, the festival's continuity was uninterrupted and its main mission, the popularisation of science, was once again fulfilled,” said festival director Jakub Ráliš.

For the first time a Grand Prize was awarded, given by the rectors of UP and ČZU. The glass trophy, in the form of a branch, was designed by David Valner and was awarded to the French documentary *Once You Know*. In addition to the films chosen for competition, viewers could also watch live interviews with festival guests, to whom they could submit questions. For example, director Thomas Blom introduced his film *The World of Thinking* along with Robbert Dijkgraaf, Director of the Institute for Advanced Study. German director of travel documentaries Oliver Goetzl, whose film *Lost Kings of Bioko* was in competition, shared experiences from making the documentary with viewers. One of the most-watched documentaries was *The Story of Plastic*, whose director Deia Scholsberg also talked about its making. As part of its accompanying programme, AFO had a musical programme online, as well as an online gallery of science memes. ■

OVERVIEW OF AWARDS AT AFO 2020:

- AFO and ČZU Film Fest Grand Prize:
Once You Know
- AFO Prize for the Best International Popular Science Documentary Film:
The Serengeti Rules
- ČZU Film Fest Prize for the Best International Popular Science Documentary Film:
The Blob, A Genius Without a Brain
- Prize for the Best Czech or Slovak Popular Science Documentary Film:
Joachim Barrande – Ztracená moře [Joachim Barrande – The Lost Seas]
- Audience Prize:
redgreenblue
- Prize for the Best Popular Science Short Film
A Rare Breed
- UP Student Jury Prize:
The Blob, A Genius Without a Brain
- ČZU Student Jury Prize:
The Blob, A Genius Without a Brain
- Prize for the Contribution to the Popularisation of Science:
Hana Librová
- AFO Spotlight Award:
Ivo Bystřičan



← The ParkIt! initiative livened up public spaces in Olomouc for the sixth year.

Education, Culture, Sports, Entertainment

FOR STUDENTS AND (NOT ONLY)
OLOMOUC RESIDENTS



↑ Law Night at the Faculty of Law

University events in the shadow of the pandemic

UP cultural, social, and sporting events found their participants even during the time of the pandemic measures. Some had to take place online.

Olomouc enjoyed its first night dedicated to rights

The Faculty of Law took part in the Law Night event for the first time, attracting three hundred participants. Those interested could attend lectures and workshops and see e.g. how prosecutors work, or experience a decision in a court of law.

Debate on climate change

Participants in the debate "Climate Change: What Are We Going to Breathe, Eat, and Drink?" sponsored by Czech universities, called for changes in agriculture, better soil management, more significant transfer of knowledge into practice, and paperwork reduction. UP sent geneticist Aleš Pečinka into the debate.



↑ Jiří Louda: Coats of Arms of the Knights of the Order of the Garter was published in a Czech-English edition with an introduction by Prince Charles.

UP LIBRARY

Operations of the UP Library were impacted by the coronavirus epidemic. It closed for one month in the spring, then alternated regimes, from opening a lending window through being open without the possibility of studying there to contactless borrowing. Even when the library was closed, students could get materials scanned and order packages of books and photocopies. Librarians quickly adapted to online services and communication channels (hotlines, chats), signed an agreement for access to digital books, and purchased the Bookport application. They also offered informational webinars and trial access to new databases. Despite the limitations, UP libraries had over 190,000 visitors. Librarians processed 19,000 book returns via four "biblioboxes", which also served as distribution sites for face masks.

UP PRESS

The UP Press in 2020 was able to publish an extraordinary book commemorating the centennial of Jiří Louda, a heraldist and the author of the official insignia of the Czech Republic, among many others. The book, his magnum opus, also provided the background to his illustrations of the coats of arms of the Knights of the Order of the Garter. Louda's book was highly esteemed by Charles, Prince of Wales, who also wrote a brief introduction.

The anti-pandemic measures did not have an economic impact on UP Press, which published 291 tomes, one third of which were e-books. Other publications included two *Czech it UP* textbooks of Czech for foreigners; UP Press also organised an outdoor exhibition in conjunction with the Czech News Agency called "Unwanted Moments".

UNION CIVIC UNIVERSITY

A university platform founded on the partnership approach and dialogue with the public. This UP volunteer project organised a dozen free educational lectures in 2020. It's about opening volunteer cooperation with elementary and grammar schools, senior citizens' clubs, and interested citizens' collectives. UniON offered 54 themes, for example in the areas of legal and financial literacy, debt counselling, critical evaluation of information, medical prevention, and Internet safety. Due to the pandemic, 15 outreach events had to be cancelled.

ParkIt! as a lighthouse of culture during lockdown

The university's ParkIt! initiative made the most of the partially relaxed restrictions during the summer. Its organisers invited two dozen music groups and street performers into Olomouc parks and public spaces. There were also film showings, sports tourneys, trivia quizzes, and art workshops. Thousands of city residents could take the opportunity to remind themselves of the importance of live cultural events.

Even physically challenged people can conquer the highest mountains

A dozen participants with varying physical challenges in the Expedition Without Barriers now have an unforgettable week behind them, organised by students from the Faculty of Physical Culture. They had to overcome physical barriers in the field on cycle paths in the Lednice-Valtice chateaux complex, on the Vltava River, and on the slopes of Sněžka, the country's highest peak.

UPOINT: FIVE YEARS-OLD!

The Palacký University information centre and shop UPoint, located on Olomouc's Upper Square, celebrated its fifth year of existence. Once again it started selling face masks, #we'reUP t-shirts, and black polo shirts from its UniWearCity collection, reusable drink cups, cookie cutters, and UP caps. It also added gift cards designed by students with seeds from the university botanical garden. UPoint hosted three exhibitions by UP alumni: Věra Kopková, Martin Verner, and Monika Beková.

UP STUDENT CLUB

The club is a space intended for meetings, hosting events, and serving for the past three years as a facility for student organisations' activities. It is also used by other UP divisions. In 2020, the club's technical equipment was refurbished.

THE EUFORKA PROJECT

This volunteer project is creating an information channel on European themes and will furnish the Czech media space with news not only on EU activities, but also on happenings in the context of EU space.



← UPoint introduced new university caps.



↑ New interactive volcano exhibit at Fort Science

Long Night of the Sciences with robots online

This year, the theme of the Long Night of the Sciences was “Humans and Robots”. With respect to the forced shift of the programme online, technology was used so that hundreds of videos, 3D views, games, quizzes, and lectures were made available to visitors – which they could only experience on their monitors due to the pandemic. The Olomouc programme was followed by 10,000 participants.

University supported middle school artists

At the end of August, Palacký University together with students from Olomouc middle schools held the second annual St-Art festival. At the city walls of the UP Arts Centre, gifted young musicians and artists showed their work. ■

FORT SCIENCE: A PLACE FOR LIVING SCIENCE

The interactive museum Fort Science – Popular Science Centre, which is under the aegis of the UP Faculty of Science, had 48,079 paid visitors in 2020. Informal educational programmes were attended by 6,936 children.

Museum activities were impacted by the pandemic, which closed the museum for several months and prevented the organisation of activities. The centre’s team then moved to online content, preparing school programmes and activities for talented pupils, filming instructional videos, and launching a virtual tour. There was also huge interest in online supplemental courses in maths and chemistry and the Long Night of the Sciences events. Teachers also extended the number of courses at summer camps.

The museum added to its Lego robots exposition and opened the science club Robotics and Machines. In cooperation with the Department of Physical Chemistry, new exhibits were opened, presenting research in nanotechnology. Museum technicians created new models, for example an interactive volcano exhibit. Fort Science also launched the motivational-educational programme Fort Science Academy for UP students and employees.

E-SAFETY

A project aimed at prevention, education, research, intervention, and enlightenment connected with risky behaviour on the internet and associated phenomena. It is implemented by the UP Faculty of Education Centre for Protection Against Risky Virtual Communication. The team is once again engaged in the project Be Safe Online and in 2020 it organised courses for senior citizens and parents. The Czech Children in the Cyberworld project, in which it took part, won the Lemur contest. Kamil Kopecký of E-Safety was an expert advisor on the film Caught in the Net about the online abuse of children.



↑E-Safety team

2020 THROUGH THE EYES OF THE UP RECTOR AND DEANS

What was 2020 like (not only) for Palacký University?



Two fundamental events took place in 2020. The first was the Covid-19 pandemic, which placed university and faculty management up against a number of totally unexpected organisational, logistical, and communication challenges. In order to protect students and university employees, we were forced to comply with many restrictive measures which would be otherwise virtually unthinkable. The second important event was my voluntary decision to resign after seven years heading the university as its rector. I arrived at this decision as the result of an unfulfilled collective promise taken together with the faculty deans and the chair of the UP Academic Senate. Leaving is a difficult discipline. My decision, however, was outbalanced by the awareness that the top public official, if they guarantee by their person the values they consider as principled, must base their actions upon them. I am happy that I did not lose sight of myself after years of performing the function of rector, and that I was able to find the moral strength to make the move which I consider the correct and only possible one for myself. Long live Palacký University Olomouc.

JAROSLAV MILLER
UP RECTOR



This extraordinary time brought with it new challenges, to which we successfully adapted. The online Theology distance learning programme, which we prepared two years prior to the pandemic, gave us an advantage during the time of the pandemic. Teachers were prepared for teaching online and were thus able to quickly react to the unexpected transformation. We also launched the new study programmes "Ethics and Culture in Media Communications" and "Applied Psychotherapy and Innovations in Social Work". We also reacted to the pandemic situation in other areas. On the ground, we worked with the UP Volunteering Centre and set up a crisis hotline to support those afflicted with Covid-19. In the academic field, we submitted the Horizon 2020 project "Balance". And after completion of the renovations to the building on Kateřinská Street, a biomarker analysis lab began operations.

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



For the Faculty of Medicine and Dentistry (FMD), 2020 brought significant restrictions, new measures, precautions, and hygienic regimes influenced by the epidemic situation vis-à-vis the Covid-19 virus. The order to shift to distance learning created a challenge for us to convert theoretical classes into the online format; however, the

faculty was allowed to conduct practical and clinical classes face-to-face on the basis of the exception granted by the Ministry of Health. I would like to thank all the teachers who taught during that time when hospital operations were overwhelmed and had to contend with the fact that a number of doctors and healthcare personnel were ill, in quarantine, or were transferred from their normal workplaces to wards which took care of patients with Covid-19. Students in upper classes were mobilised by the government to work in healthcare facilities during the state of emergency, due to the lack of personnel. The majority of FMD students had already volunteered for service before the government edict and remained in place as long as was necessary; nonetheless trying to manage studies, practical training, difficult work, and studying proved to be exhausting. Faculty management received many letters of thanks from grateful healthcare facilities. I would like to thank our students for their sacrifice, for their work in healthcare facilities, and for their enormous service. In our faculty's history, 2020 was exceptional: a difficult, exhausting year full of uncertainties and challenges. We stood strong, throughout a slew of obstacles, obstructions which were hard to define and tough to solve. I believe that even during those difficult conditions, we were able to operate on a high level and with moral credit, and I am proud to say that FMD remains and will continue to be one of the most prestigious teaching and research institutions in the Czech Republic.

JOSEF ZADRAŽIL
DEAN OF THE FACULTY OF MEDICINE AND DENTISTRY



The pandemic proved the resiliency of the Faculty of Arts in all areas. In a very short time, the faculty was able to transfer teaching to the online environment and re-establish its teaching on the international level. The

Faculty of Arts managed the exams period, state final examinations, and despite closed libraries and archives, students finished and defended their theses – and entrance exams were conducted as well. International conferences took place online. Regarding academics and research, even during lockdown we were able to continue ongoing projects, and a vital faculty discussion was inaugurated about its future academic-research orientation, aiming at securing top grants and publishing prestigious publications. At the same time an analysis of doctoral studies was launched, and organisational changes were made to support the effectiveness of this form of education. The faculty got excellent marks from the International Evaluation Panel and likewise from domestic evaluations. The faculty campus on Křížkovského and Univerzitní streets was extended by the renovations to the building on Svoboda Avenue. All of our colleagues deserve big thanks and respect for the way they managed the difficult year 2020.

ZDENĚK PECHAL
DEAN OF THE FACULTY OF ARTS



The year 2020 was an extraordinary one for the Faculty of Science. The pandemic caused by the novel coronavirus, which in effect restricted the movement of the entire society, proved the ability of the faculty to react flexibly to

an unexpected situation. We have had a valuable life experience as to how some events can cause such a swift and erratic crash. The government safety council decided in March to close schools, due to fears of the further spread of the Covid-19 epidemic. We were forced to reorganise the faculty's operations from the ground up, react adequately to the government measures, and apply new teaching methods. The shift to distance learning was not easy, but we were able to meet the challenge so that any impacts on the quality of education were minimal, despite the difficult conditions. We tried our utmost to provide students with the best possible quality of science education. And so in closing, I would like to thank all our teachers who took part in this difficult process and who continue to do their part.

MARTIN KUBALA
DEAN OF THE FACULTY OF SCIENCE



The year 2020 was just as complicated for the Faculty of Education as it was for the society as a whole. The faculty was prepared to fulfil its mission and goals, but it was functioning almost until the end of the year under the

influence of the measures connected to the Covid-19 pandemic. Its effects even impacted research and creative activities, as a number of projects had to be interrupted or new paths had to be forged toward solutions. The transformations manifested themselves even into activities connected with life-long learning, which had to be shifted online. At the same time the faculty had to react to the demand for educational activities from teachers trying to manage distance learning. Despite all these problems, the faculty stood tall during this quite difficult period. I would like to thank all who contributed, whether they be academics, non-academic personnel, or students. Our thanks and respect go to all the volunteers.

LIBUŠE LUDÍKOVÁ
DEAN OF THE FACULTY OF EDUCATION



2020 was the year of pandemic shock. It forced us to reconsider our priorities, pushing the boundaries of what we considered impossible, unworkable, or unmanageable. We proved that in war-like conditions, the

long-term emphasis on building mutual trust, open and transparent communication, and creating reserve sources is a good foundation for understanding crises as a challenge for generally beneficial change. Though we believe that our renovated classrooms will again reverberate with normal student bustle, we are prepared to make use of their modern technological facilities for online, hybrid teaching. Thanks go to all members of the academic community who were able to combine extraordinary teaching demands with the shift in quality of research results. The sporting environment is one of the biggest casualties of the pandemic, and every relevant publication proves that the essential importance of movement for physical and mental health can play a key role in reconciling the position of sport in society.

MICHAL ŠAFÁŘ
DEAN OF THE FACULTY OF PHYSICAL CULTURE



The year 2020 was a non-traditional one for the entire educational system. The successful shift to online teaching due to the pandemic was difficult in terms of organisation, not only for faculty management, but also for

teachers and students. In addition, our faculty took part in preparations for the new university methodology of distribution of developmental funds, on which the reform of academic evaluation at our faculty was based. Six internal start-up grants were established for doctoral projects. Our academics were granted two new projects in a Czech Science Foundation competition. Our journal *European Studies – The Review of European Law, Economics and Politics* was listed in the Scopus database. And I consider the start of the projected preparations for renovations of both faculty buildings as a watershed moment. I would like to thank all our employees for everything they have done for the faculty.

VÁCLAV STEHLÍK
DEAN OF THE FACULTY OF LAW



The life of the faculty was influenced particularly by the coronavirus pandemic. I'm glad that we were able to acclimatise to the new conditions, manage the shift to online and hybrid teaching, all the while conforming to

the government measures. Our students also deserve our great respect, for they not only coped under difficult conditions but also tirelessly served in the front lines at hospital Covid wards. Even in a difficult time, we were able to fulfil our goals – above all retaining the diversity of the study programmes and their further development, confirming the areas of scientific interest in institutions and workplaces, and the support of academic-scientific teams and internal and external team cooperation in educational and research activities. I'm proud of the fact that we were able to strengthen the role of students, support their activities, and create a partnership with them.

MARTIN PROCHÁZKA
DEAN OF THE FACULTY OF HEALTH SCIENCES



↑ Rector's Office



Finances

IN THE YEAR 2020

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, from the 8 faculties, the Czech Advanced Technology and Research Institute (CATRIN), the Rector's Office, and 10 university facilities. Profit for the year 2019 in the amount of CZK 66,225 thousand was approved by the UP Academic Senate (UP AS) and distributed into

the Operating Fund (CZK 39,320 thousand), the Fixed Assets Development Fund (CZK 24,137 thousand) and the Awards and Subsidies Fund (CZK 2,768 thousand). Accounting for the year 2020 showed an after-tax profit of CZK 50,714 thousand, which was reallocated after a meeting of the UP AS and after approval of the Annual Report on UP Finances for the year 2020 by the Czech Ministry of Education, Youth and Sports. ■

PROFIT AND LOSS FOR THE YEAR 2020, IN THOUSANDS CZK			
Public university sectors	Income from main activities	Income from supplementary activities	Total income
Faculty of Health Sciences	1,528	0	1,528
Faculty of Medicine and Dentistry	759	21,555	22,314
Faculty of Arts	1,329	564	1,893
Faculty of Science	10,617	5,678	16,295
Faculty of Education	4,462	523	4,985
Faculty of Physical Culture	1,526	-6,680	-5,154
Sts Cyril and Methodius Faculty of Theology	-182	2	-180
Faculty of Law	0	0	0
UP Accommodation and Dining Facilities	-4,634	1,838	-2,796
UP Rector's Office	3,521	-188	3,333
UP Library	-141	178	37
Palacký University Press	1,154	369	1,523
UP Information Technology Centre	-58	79	21
UP Science and Technology Park	-442	2,954	2,512
UP Academic Sport Centre	-285	30	-255
UP Project Service	3,445	0	3,445
UP Centre for Students with Special Needs	0	0	0
UP Confucius Institute	583	0	583
UP King Sejong Institute	610	0	610
Czech Advanced Technology and Research Institute	20	0	20
TOTAL	23,812	26,902	50,714



↑ 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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