



# Evaluation of scientific and research activities at CZU

## for the year 2022





**University full of life**

**CZU.CZ**

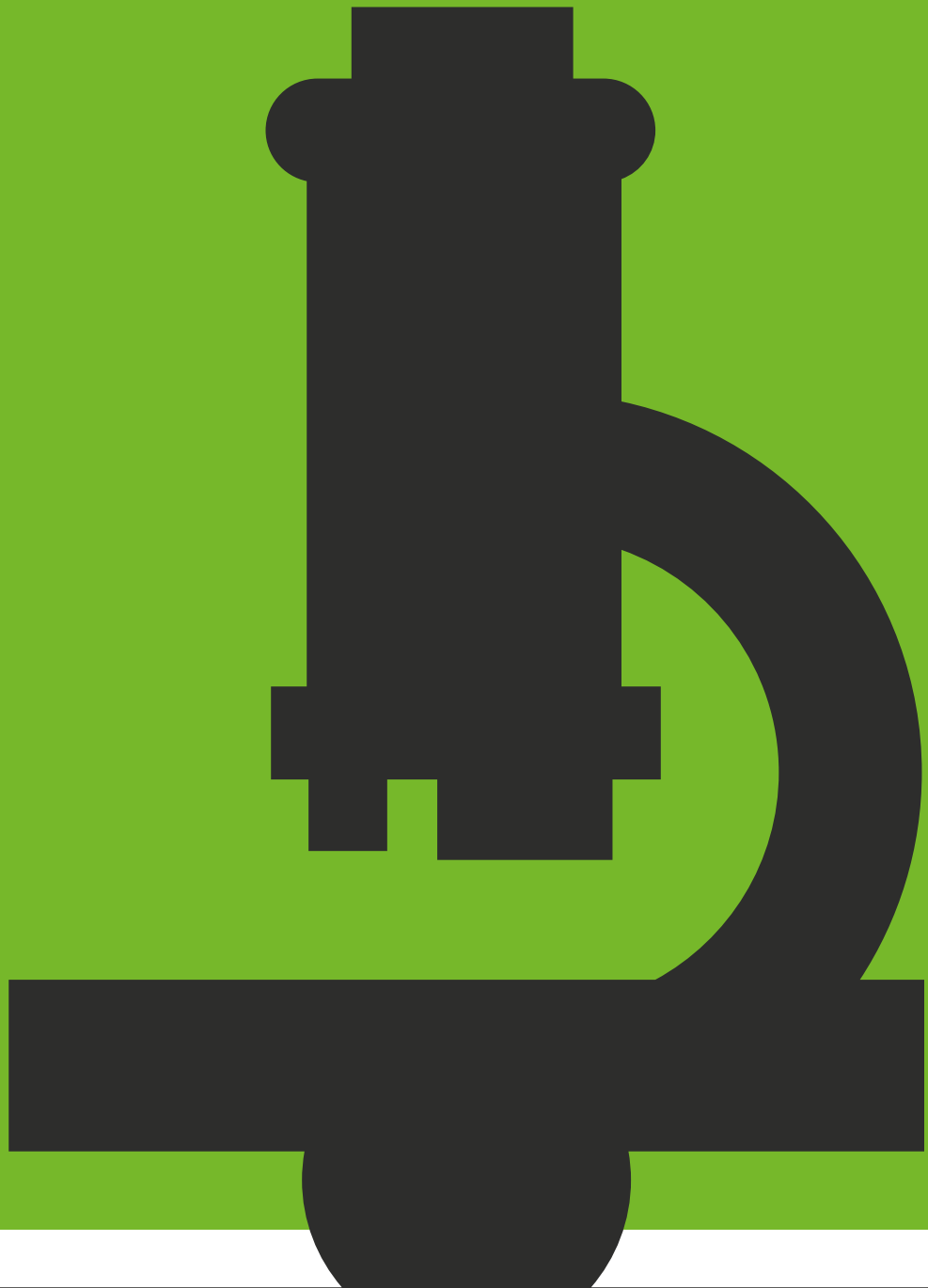


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**01**

# Introduction



# 01 / Introduction

The Evaluation of Scientific and Research Activities at CZU for 2022 is divided into four parts concerning the evaluation of

- Research projects;
- Doctoral study programmes;
- Growth in staff qualifications;
- Publications.

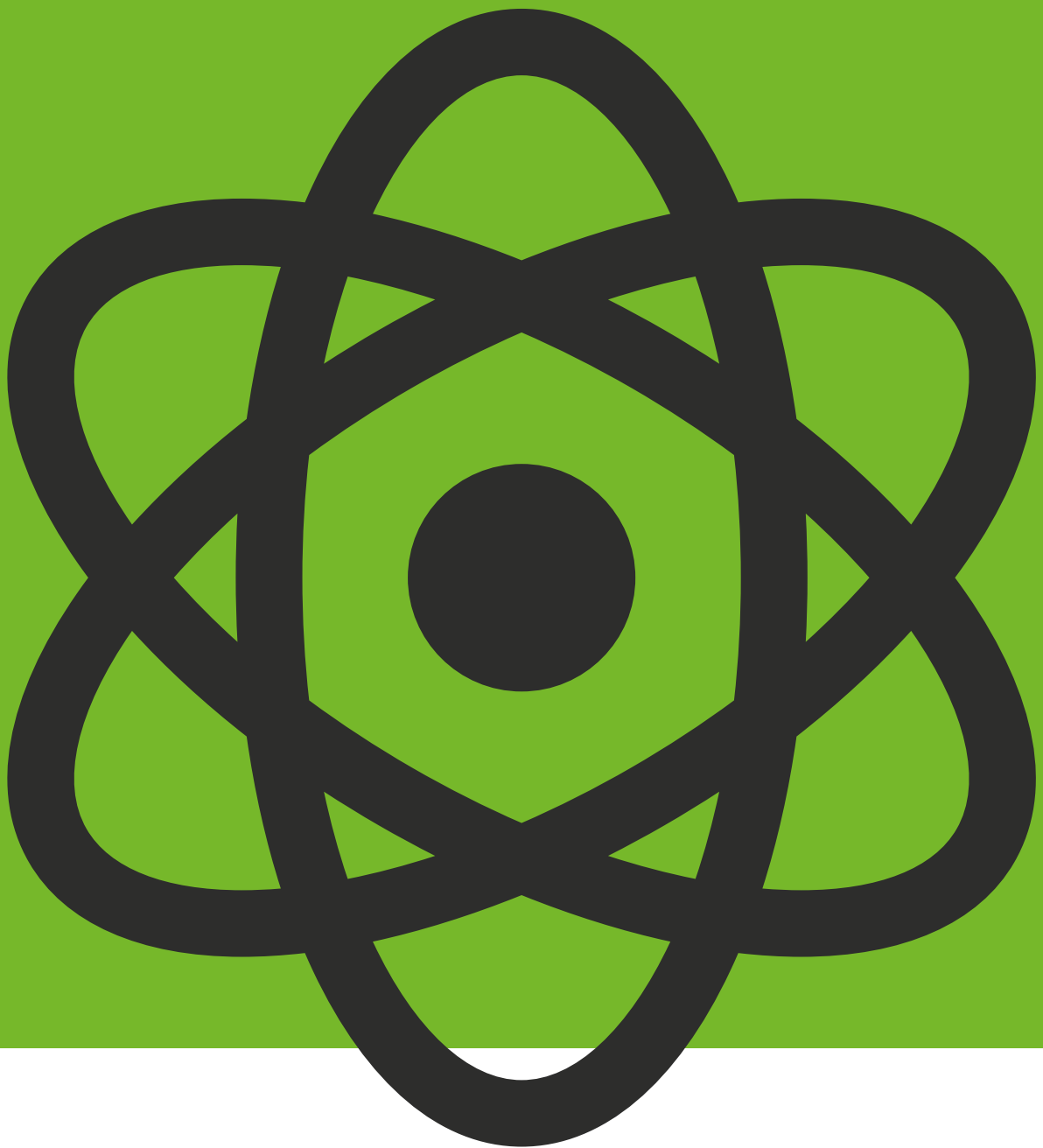
For better orientation, the following graphs show the individual faculties of the CZU, the Institute and the Rector's Office in colour	
<b>FAPPZ</b>	Faculty of Agrobiology, Food and Natural Resources
<b>FZP</b>	Faculty of Environmental Sciences
<b>FLD</b>	Faculty of Forestry and Wood Sciences
<b>TF</b>	Faculty of Engineering
<b>PEF</b>	Faculty of Economics and Management
<b>FTZ</b>	Faculty of Tropical AgriSciences
<b>CZU-R</b>	Rector's Office of the Czech University of Life Sciences Prague
<b>IVP</b>	Institute of Education and Communication

## LIST OF INSTITUTION ABBREVIATIONS:

ČVUT – Czech Technical University  
ČZU – Czech University of Life Sciences Prague  
JČU – University of South Bohemia  
OU – University of Defence  
MIT – Massachusetts Institute of Technology  
MENDELU – Mendel University  
MU – Masaryk University  
SUO – Silesian University in Opava  
TUL – Technical University of Liberec  
TUO – Technical University of Ostrava  
UHK – University of Hradec Králové  
UJEP – J. E. Purkyně University  
UK – Charles University  
UPARD – University of Pardubice  
UPOL – Palacký University Olomouc  
UTB – Tomas Bata University  
VFU Brno – University of Veterinary Sciences Brno  
VŠCHT – University of Chemistry and Technology in Prague  
VŠE – Prague University of Economics and Business  
VÚT – Brno University of Technology  
ZČU – University of West Bohemia

**02**

# Research projects





## 02 / Research projects

In total, 245 research projects from domestic and foreign sources were solved at the CZU in 2022, which represents 18 more projects than in 2021, 34 more projects than in 2020 and 65 more projects than in 2019 (projects registered in CEP and development aid projects are included). The number of projects to be solved in 2022, divided by faculties, institutes and CZU-R, is shown in Figure 1. The overview includes only projects whose funds are account managed by the CZU (i.e. have an assigned contract number). The breakdown of grants into domestic and foreign is shown in Table 1.

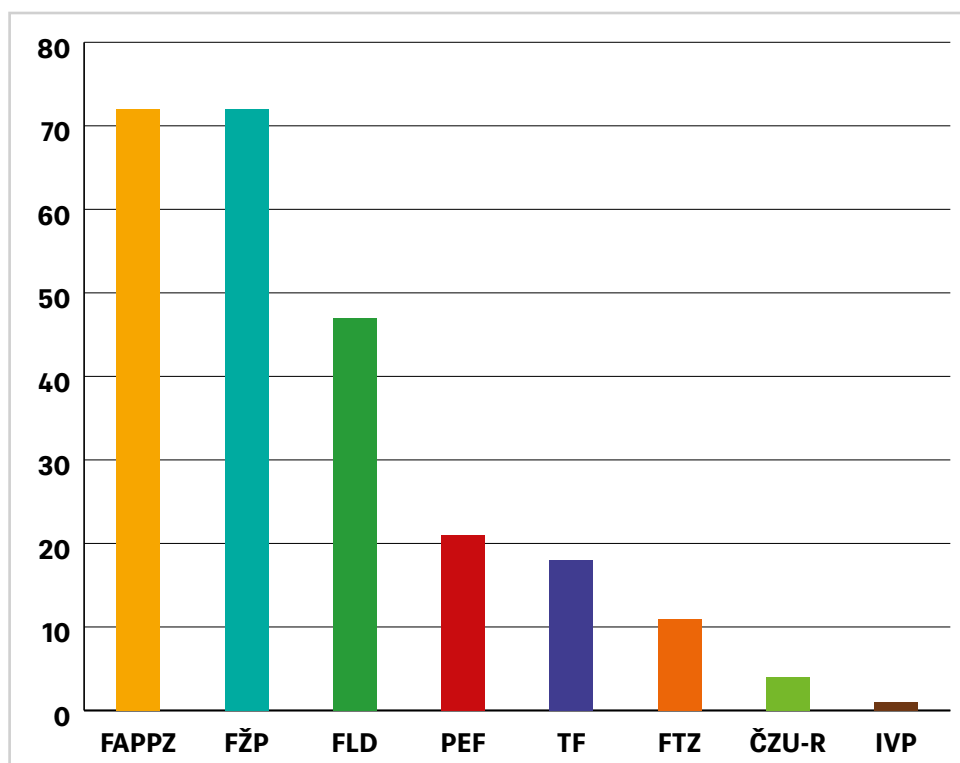


Figure 1: Number of ongoing research projects at CZU in 2022 divided by faculties.

Faculty	2022		2021		2020		2019		2018	
	CZ	FRGN	CZ	FRGN	CZ	FRGN	CZ	FRGN	CZ	FRGN
FAPPZ	67	5	67	2	56	4	60	0	63	0
FŽP	65	7	63	3	61	4	49	1	39	2
FLD	36	11	38	5	33	1	26	1	33	0
TF	14	3	17	1	14	1	7	0	16	0
PEF	2	19	10	4	12	3	15	0	8	3
FTZ	8	3	9	3	17	1	14	1	6	0
ČZU-R	3	1	4	0	3	0	2	1	3	0
IVP	1	0	1	0	1	0	1	2	0	0
<b>Total</b>	<b>196</b>	<b>49</b>	<b>209</b>	<b>18</b>	<b>197</b>	<b>14</b>	<b>174</b>	<b>6</b>	<b>168</b>	<b>5</b>

Table 1: Distribution of domestic (Czech Republic) and foreign (ZAGR) projects in 2022 by faculties of CZU and comparison with 2018, 2019, 2020 and 2021.

Most grants in 2022 were addressed within the Technology Agency of the Czech Republic (TAČR - 73 projects), the Grant Agency of the Ministry of Agriculture (NAZV - 49 grants) and the Grant Agency of the Czech Republic (GAČR - 28 projects). The distribution of projects by provider is shown in Figure 2 by individual faculties of the Czech Technical University.

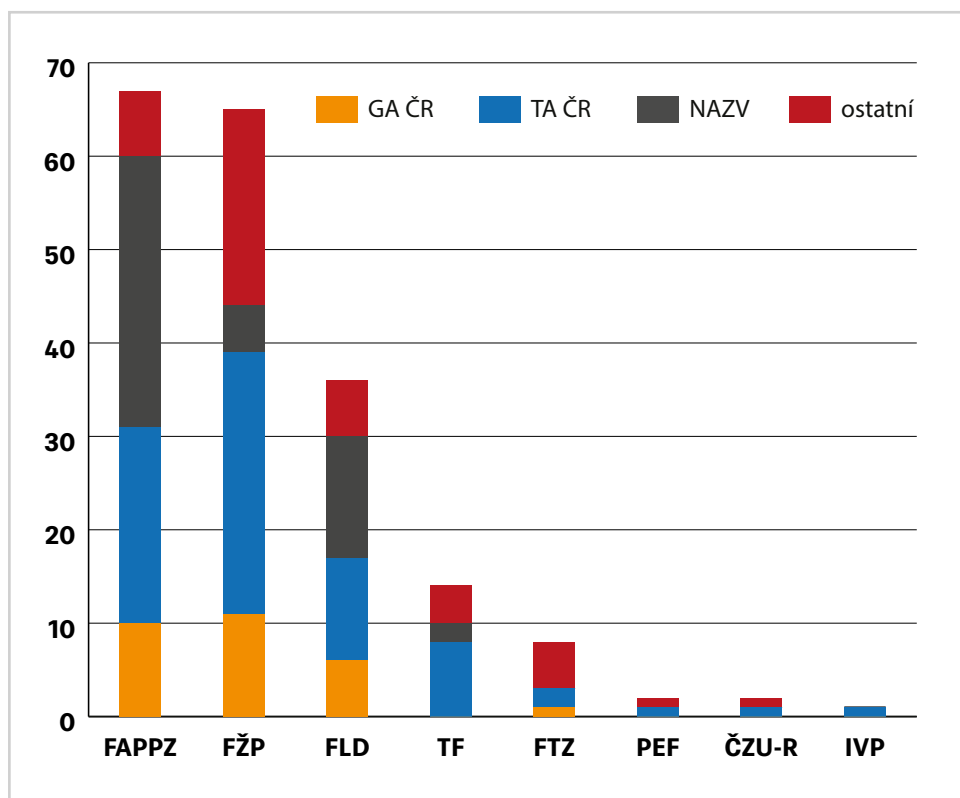


Figure 2: Number of projects to be solved in 2022 at CZU divided by the main domestic providers.



The financial resources obtained in 2022 by CZU through external research projects amounted to CZK 460.61 million. This is 13.4% more than in 2021 and 19% less than in 2020. The volume of funds obtained from research projects in 2022 and divided by faculties, institutes and CZU-R is shown in Figure 3.

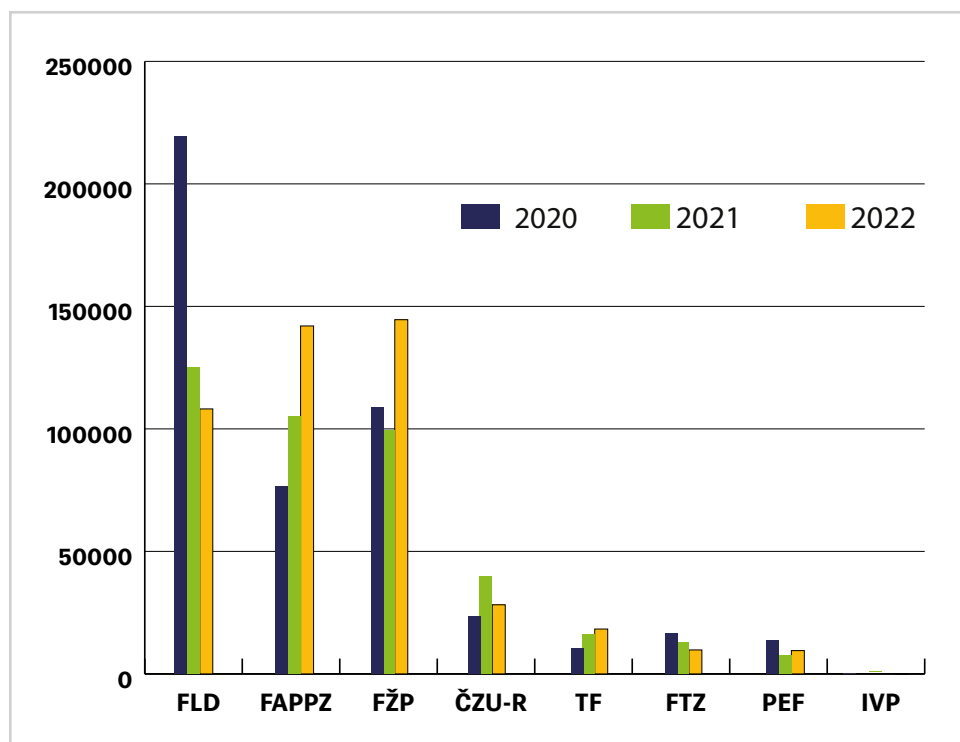


Figure 3: Funds from CZU research projects (in CZK thous.) in 2022 broken down by faculty and comparison with 2020 and 2021.

In Figure 4, for a better idea of the total amount of research funds of individual faculties, the funds from external research projects are presented together with the amount of institutional support for the development of research organisations, divided by faculties and CZU-R. CZU through institutional support for the development of research organisations in 2022 received CZK 315,417 thousand, which represents a 9% increase compared to 2021 (when the support was CZK 288,640 thousand). Therefore, if the amount of allocated institutional support is added to the funds obtained through grant agencies, the **total amount of CZU funds for science research in 2022 will reach CZK 776,029 thousand**. This is 11.7% more than in 2021 and 3.5% more than in 2020.

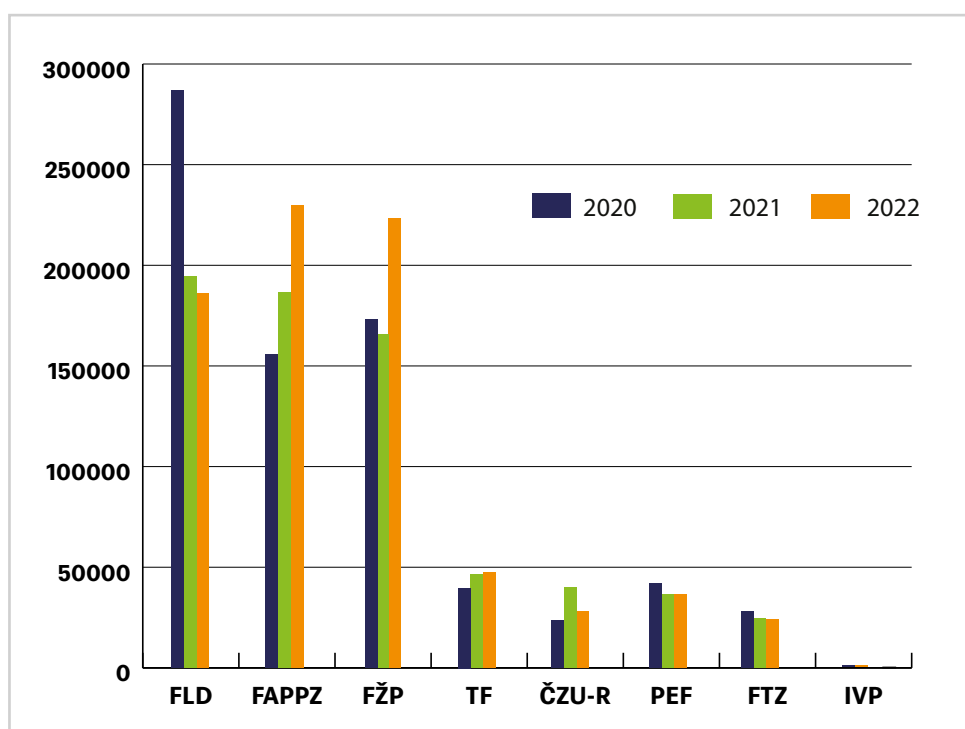


Figure 4: Funds from research projects (in CZK thous.) of the CZU in the years 2020–2022 increased by the allocated funds of institutional support divided by faculties.

In relative terms, CZU received the largest amount of funds from operational programmes in 2022, namely 30% of the total number of domestic grants. Other funds came from the agencies TAČR (Technology Agency of the Czech Republic, 23 %), NAZV (National Agency for Agricultural Research, 20 %), GAČR (Grant Agency of the Czech Republic, 12 %), MŠMT (Ministry of Education, Youth and Sports, 5 %), MIT (Ministry of Industry and Trade, 2 %), MK (Ministry of Culture, 2 %), MV (Ministry of Interior, 1 %) and the Prague City Hall (0.02 %). The amount of funding in the projects received from each domestic grant agency is shown in Figure 5.

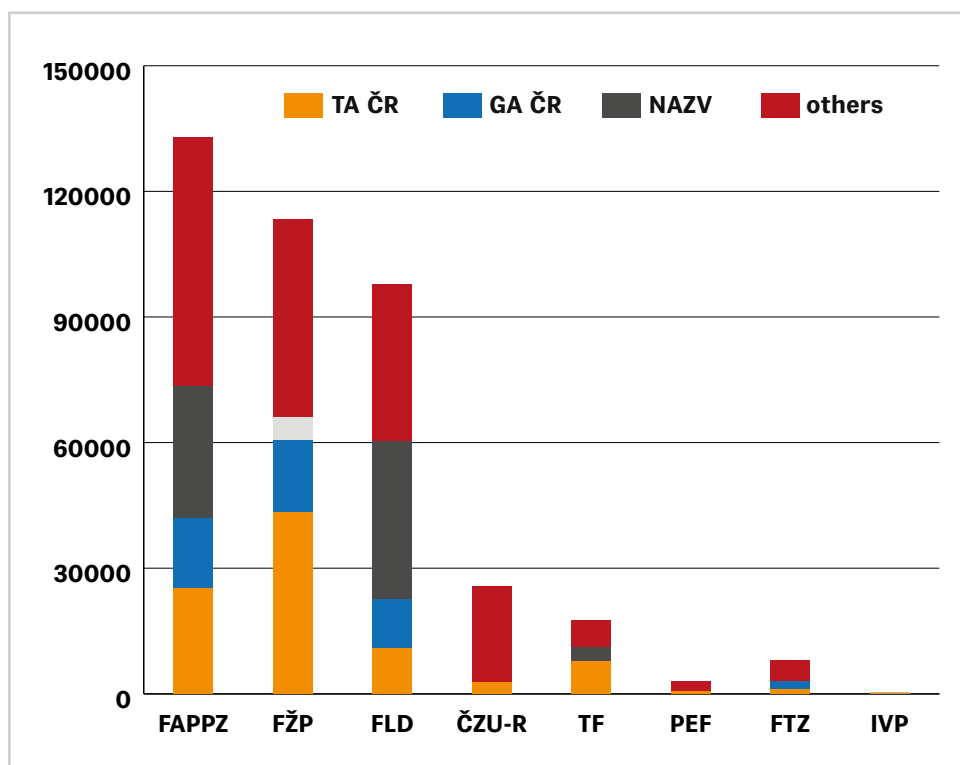


Figure 5: Funds from research projects (in CZK thous.) of CZU in 2022 divided by the main domestic providers.

Figure 6 shows the amounts from grant projects in 2021 and 2022 per academic staff member of each faculty and institute.

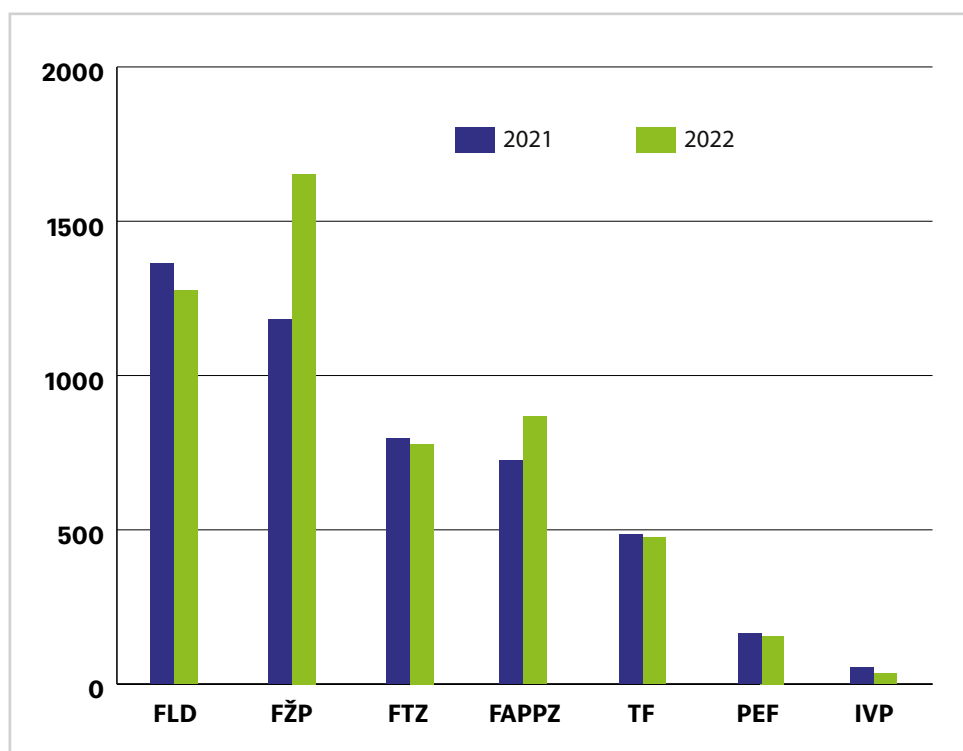


Figure 6: Grant funds (in CZK thous.) obtained in 2021 and 2022 per academic staff member of each faculty, including institutional support.

# 03

## Students of doctoral study programmes



## 03 / Students of doctoral study programmes

The number of students in doctoral study programmes (DSP) in 2022 has decreased by 62 students to 1023 compared to 2021 (including students who have interrupted their studies). There were 781 students, 43 fewer than in 2021. The number of DSP students by faculty is shown in Table 2. Number of DSP students studying as of 31/ 12/ 2022 divided by faculties and length of study together with the number of supervisors and the number of students per supervisor (active supervisors, i.e. those with Ph.D. students, are included) are shown in Table 3. If the number of students per supervisor includes only students studying at the university, the average number of students per supervisor is 2.87. If students who have interrupted their studies are included, the average of the CZU is 3.76.

Faculty	2018*	2019*	2020*	2021*	2022*
PEF	128/38	134/35	135/38	119/35	113/22
FAPPZ	188/94	198/68	223/61	236/55	225/69
TF	88/27	73/28	77/23	67/24	55/23
FZP	155/62	154/65	166/60	172/58	158/60
FLD	148/65	147/61	125/64	127/58	123/42
FTZ	77/32	90/30	101/27	103/31	107/26
CZU	784/318	796/287	827/273	824/261	781/242
* students studying/ students who have interrupted their studies					

Table 2: Number of students of doctoral study programmes by faculties in 2018–2022.

Faculty	Students in regular study period				Total	Students per supervisor*		
	Year 1	Year 2	Year 3	Year 4		ST	IT	All
PEF	25	25	22	41	113	2.57	0.50	3.07
FAPPZ	43	54	49	79	225	3.00	0.92	3.92
TF	10	15	22	8	55	2.12	0.88	3.00
FZP	37	32	37	52	158	2.98	1.13	4.11
FLD	21	30	19	53	123	2.37	0.81	3.17
FTZ	25	15	23	44	107	4.86	1.18	6.05
CZU	161	171	172	277	781	2.87	0.89	3.76
* studying students/interrupted students/all students ST = students studying IT = students who have interrupted their studies								

Table 3: Number of DSP students as of 31/12/2022 by year of study and faculties.

In 2022, 84 students will graduate with a Ph.D., which is 3 more than in 2021, bringing the number of graduates back to the pre-Covid pandemic period, when 83 students graduated in 2019 and 86 students in 2018. The numbers of graduates at each faculty were as follows: Faculty of Agrobiological Sciences 25, FE: 15, FFW: 13, FTA: 12, FBM: 13 a TF: 6/ In the period from 2018 to 2022, a total of 376 students graduated from studies at the CZU, of which at individual faculties: FANFR 124, FE 69, FFW 57, PBM 51, FTA 44 and TF 31.

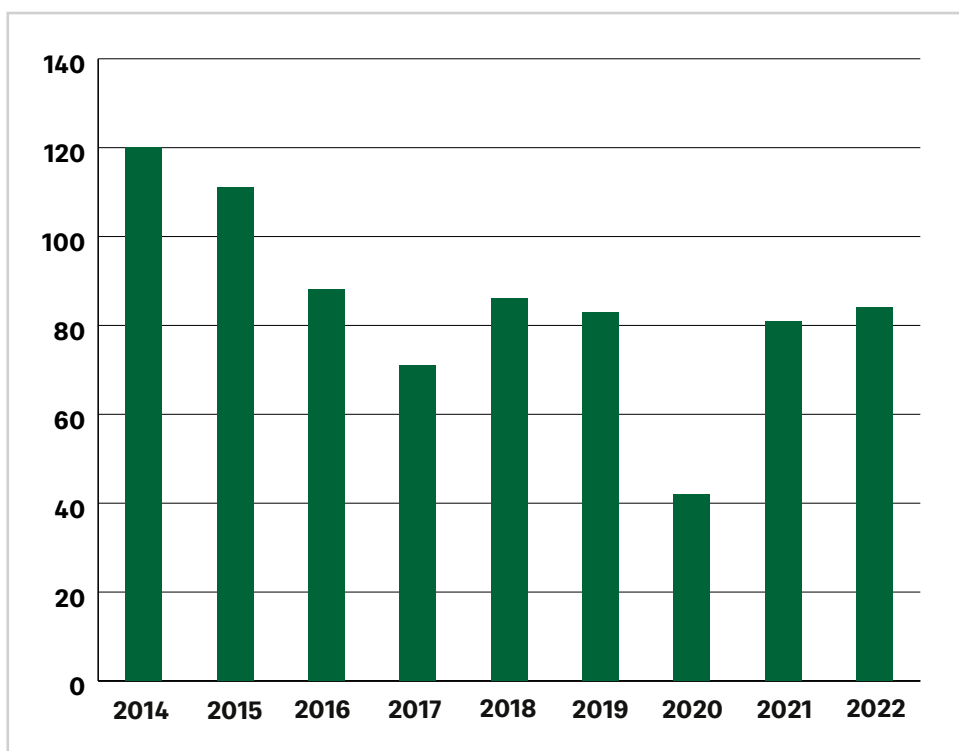
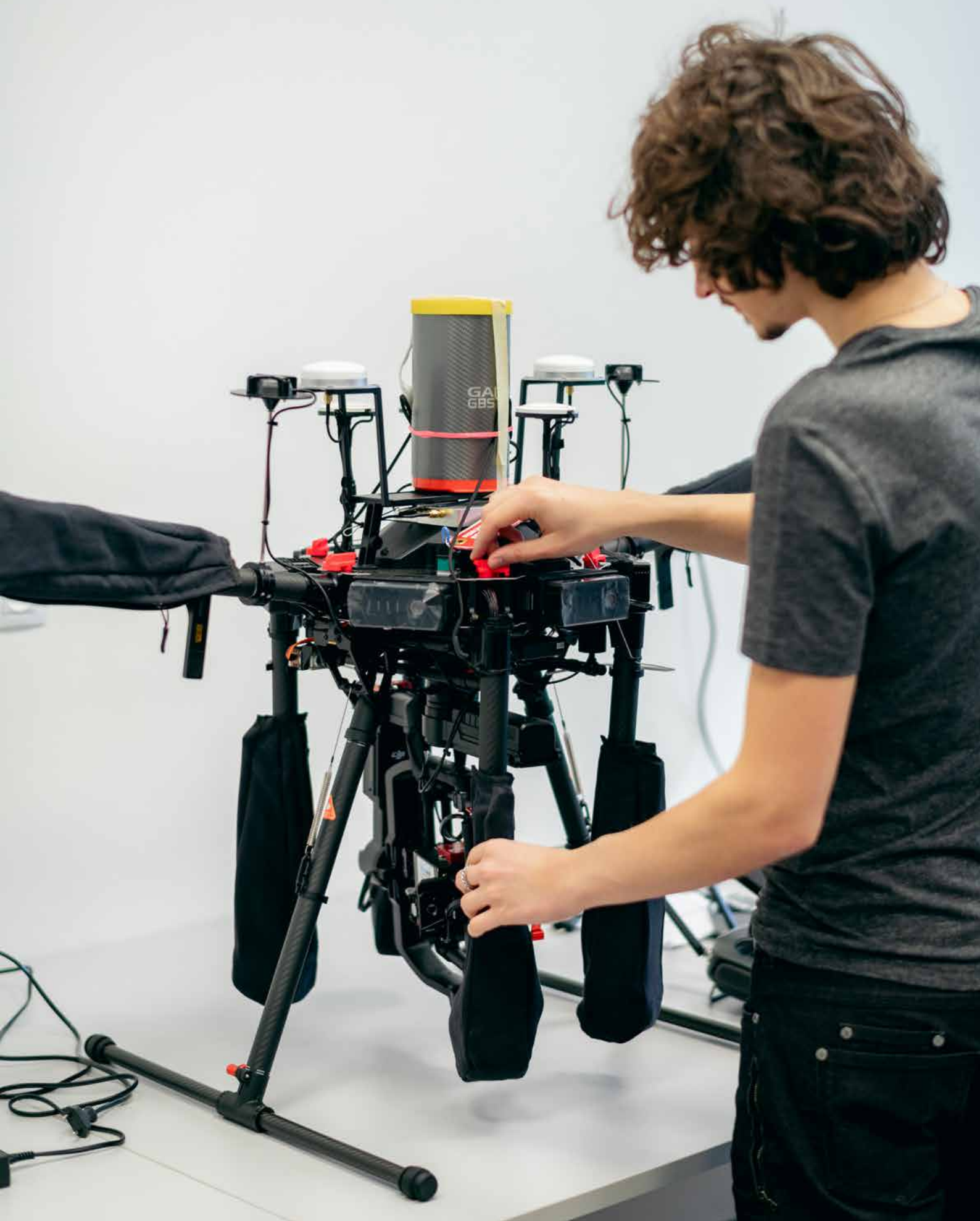


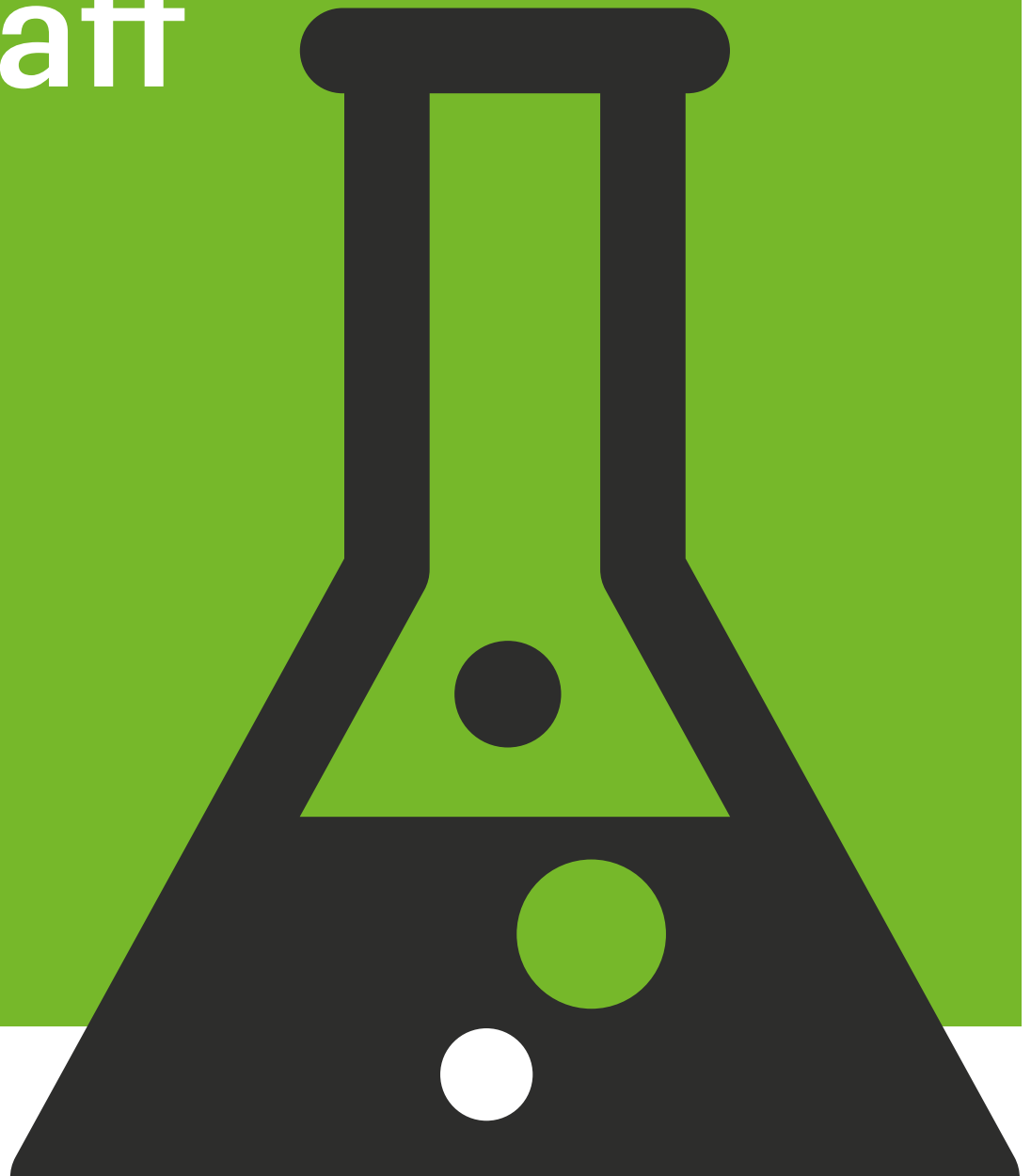
Figure 7: Number of DSP graduates in the years 2014–2022 at CZU.





**04**

# Career growth of CZU academic staff



## 04 / Career growth of CZU academic staff

In 2022, 9 habilitation procedures were initiated at the CZU, which is 13 fewer than in the previous year, and 21 were completed (in 2021, 20 habilitation procedures were completed). In 2021, 6 procedures for appointment as professor were initiated and 5 were completed (the same as in 2021). The number of initiated and completed habilitation procedures and procedures for the appointment of professor at individual faculties in 2022 is shown in Figure 8.

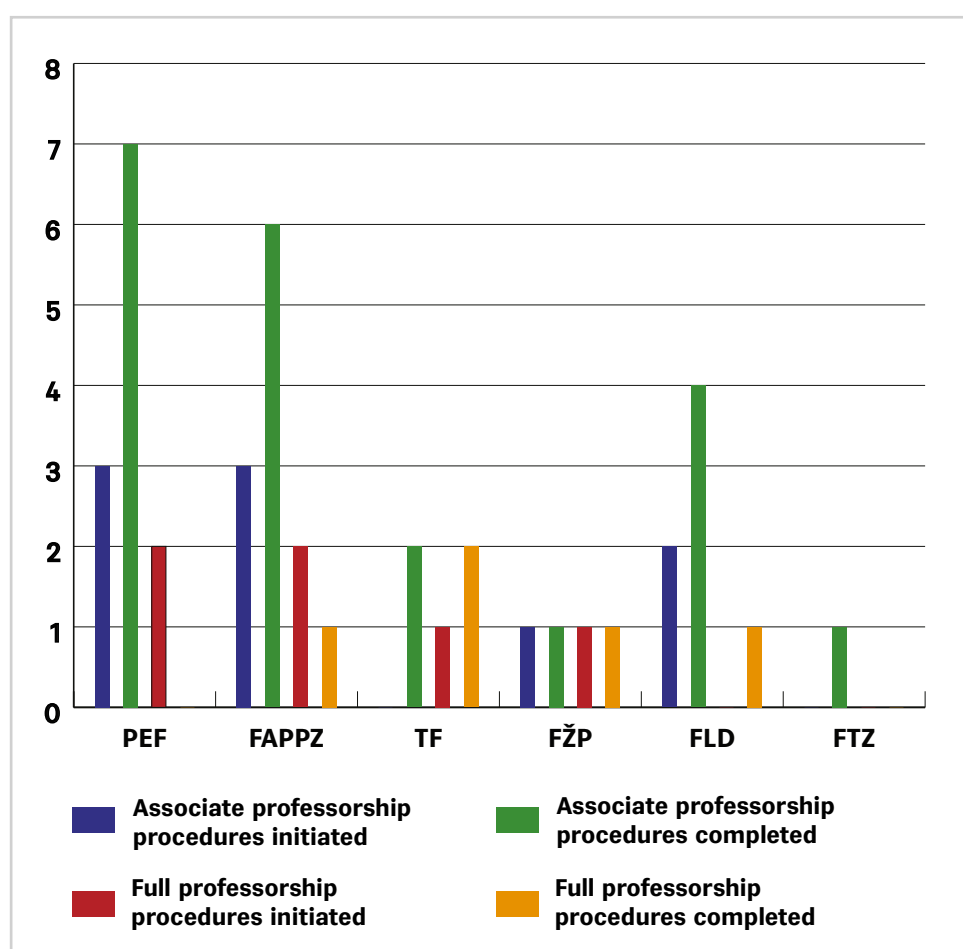


Figure 8: Number of habilitation and professorial procedures initiated and completed at the CZU in 2022.

**05**

**CZU's  
publication  
activities**



## 05 / CZU's publication activities

Figure 9 shows the evolution of the number of articles with impact factor on Web of Science. In 2001, only 62 articles were registered in the WoS database, while in 2022 there were 1028 articles. Compared to 2021, this is a decrease of 109 articles, but as can be seen from the other graphs, the quality of the articles has increased compared to 2021.

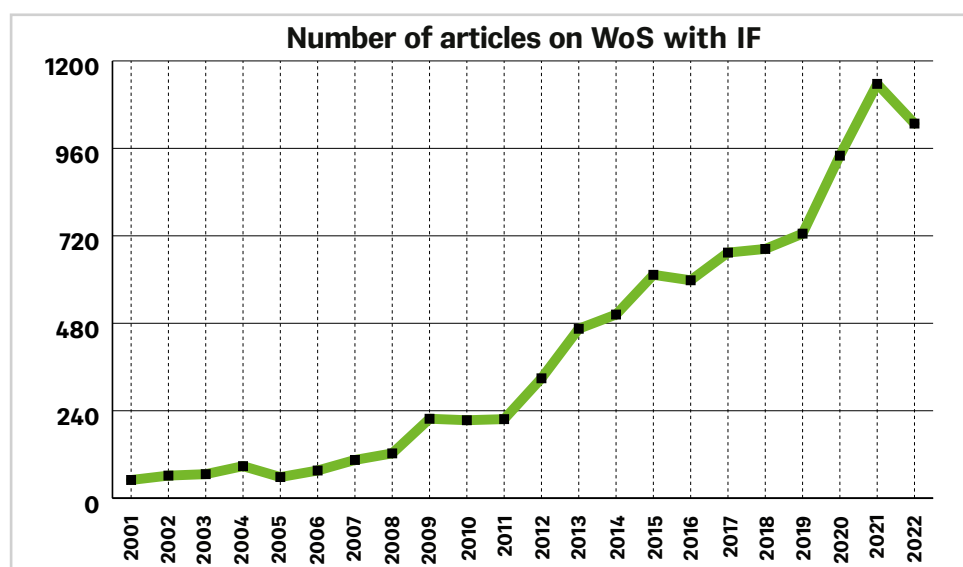


Figure 9: Number of articles with IF on Web of Science published at CZU in 2001–2022.

In 2022, a total of 1147 scientific publications were published by CZU Praha staff, which are registered in the Web of Science and Scopus databases (Figure 10), which is 23 fewer outputs than in 2021 and 159 more than in 2020. The number of articles in the Scopus database (119) increased by 27 articles year-on-year, but this is 63 fewer articles compared to 2019 and 172 fewer articles compared to 2017. In Figure 11, the outputs from the two databases are shown separately.



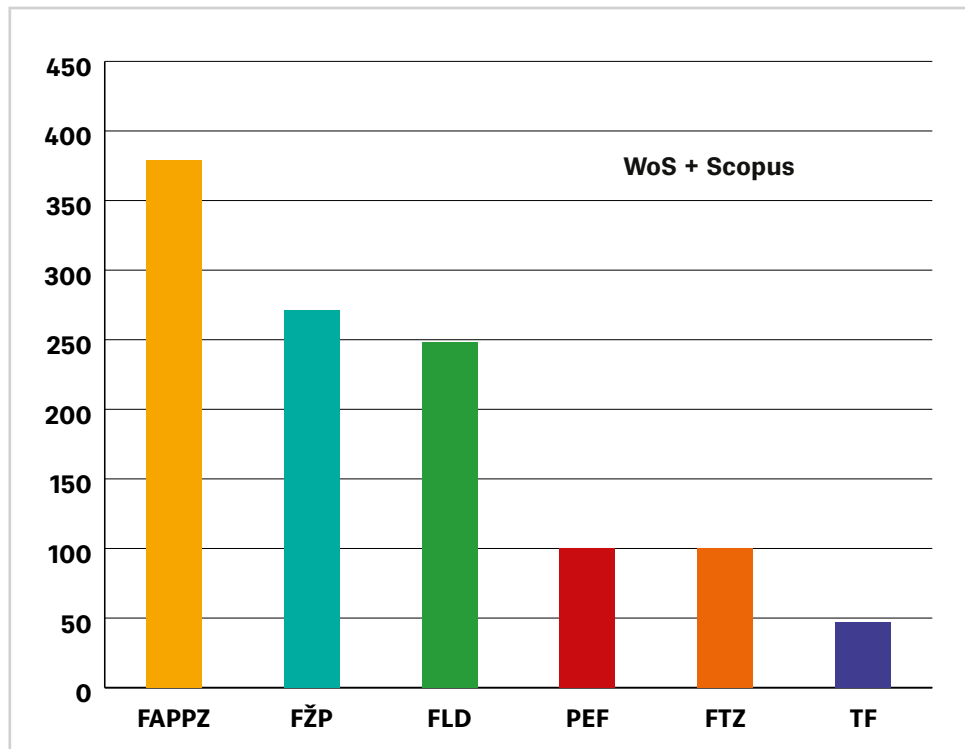


Figure 10: Number of publication entries registered in the Web of Science and Scopus databases in 2022. For articles in the Scopus database, these are articles that are not also registered in the Web of Science database.

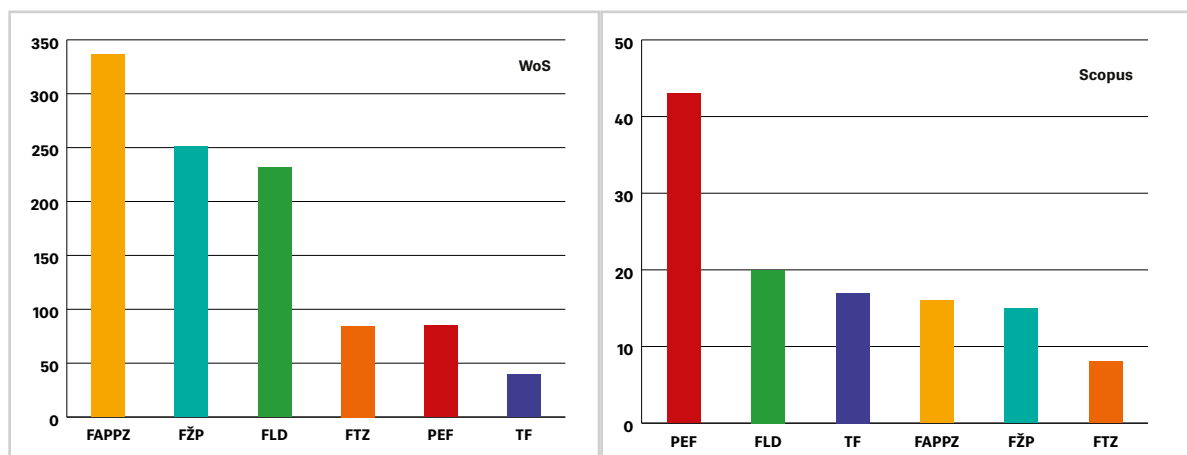


Figure 11: Number of publications registered in Web of Science (left) and Scopus (right) in 2022. For articles in the Scopus database, these are articles that are not also registered in the Web of Science database.

Figure 12 shows publications registered in the Web of Science database by quartiles in terms of AIS in 2017-2022. The graph shows a significant increase in the number of articles in the D1 and Q1 categories. **Compared to 2017, the number of articles in the D1 category increased by 75% and in the Q1 category by a full 159%. In 2022, articles in Q1 and Q2 accounted for a full 80% of the total number of articles on WoS. By contrast, the number of articles in Q4 fell by a full 124% between 2017 and 2022.**



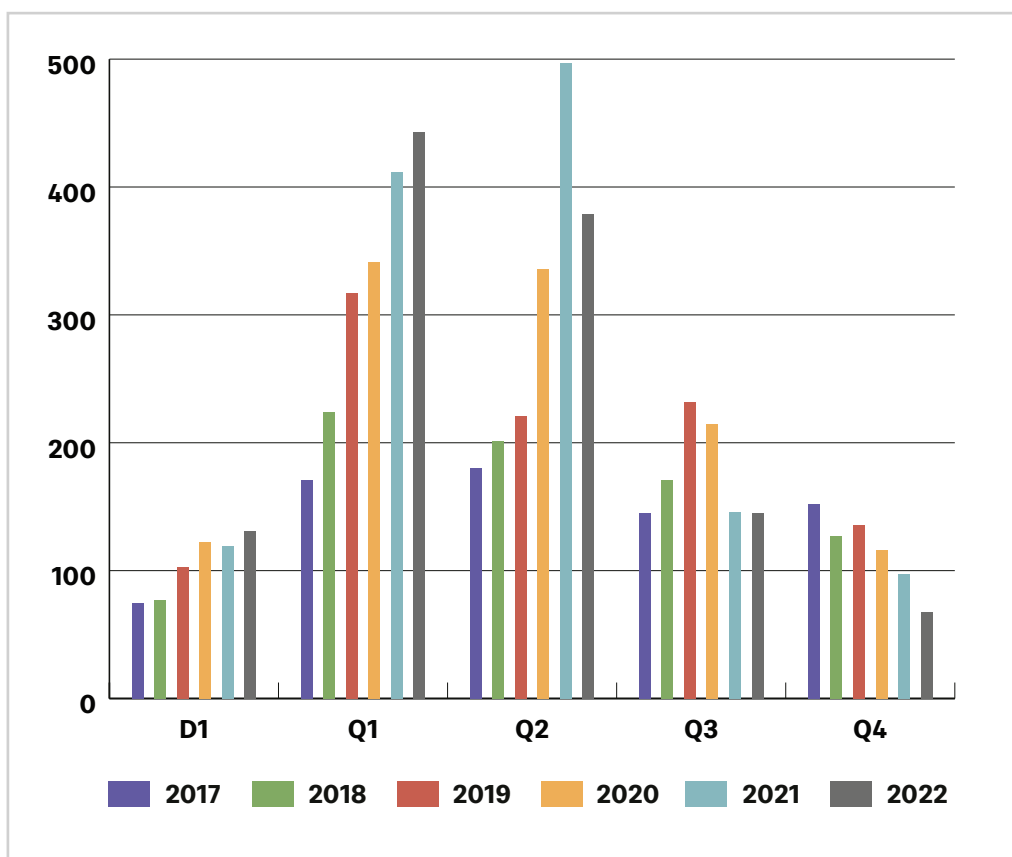


Figure 12: Number of articles of CZU staff registered on Web of Science divided by AIS quartiles in 2017–2022. Articles in the D1 category are also included in the Q1 category.

The total number of WoS articles at individual faculties in the period 2017-2022 is shown in Figure 13. All faculties except PEF see a slight decrease in the number of publications in 2022. However, there is an increasing trend in all faculties over the entire six-year period. Figure 14 shows the number of articles with IF/AIS per staff member at each faculty. Figure 15 shows the distribution of publications by quartiles and deciles at individual faculties for the period 2017-2022.



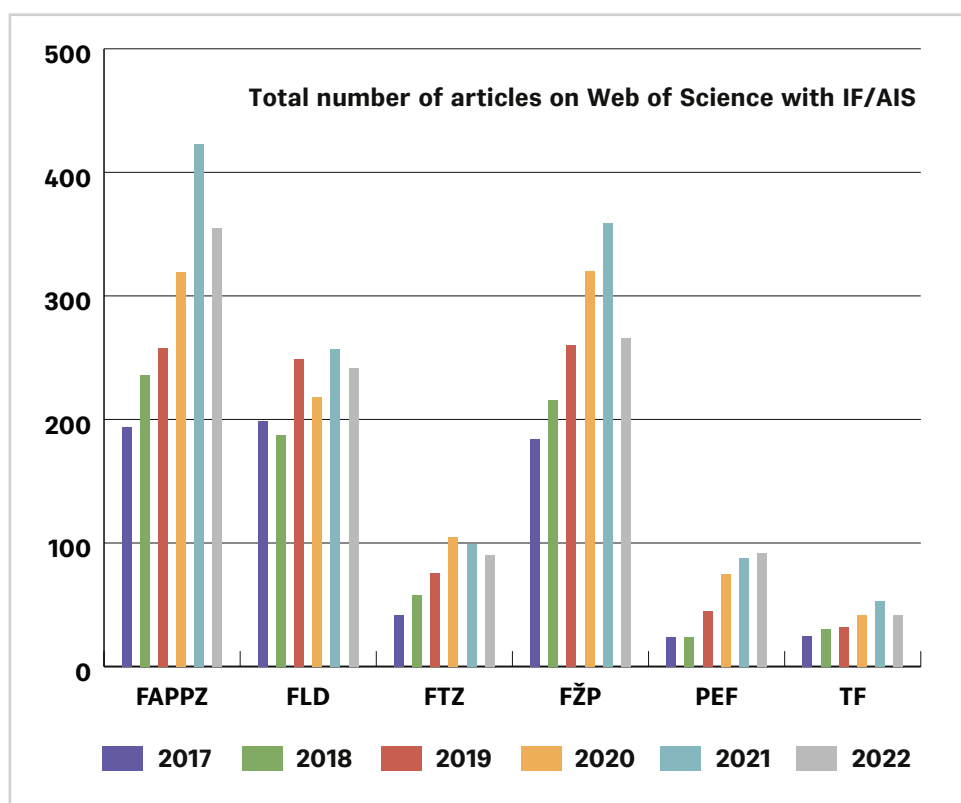


Figure 13: Total number of articles on Web of Science with IF/AIS at individual faculties in the period 2017–2022.

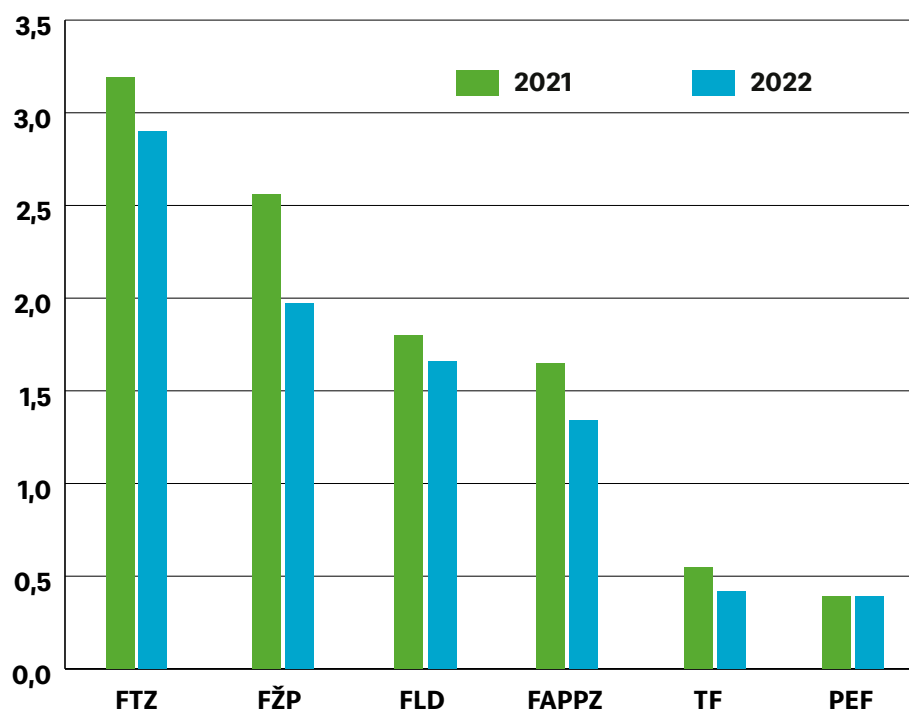


Figure 14: Number of articles with IF/AIS per academic staff member at individual faculties of CZU in 2022 and comparison with 2021.



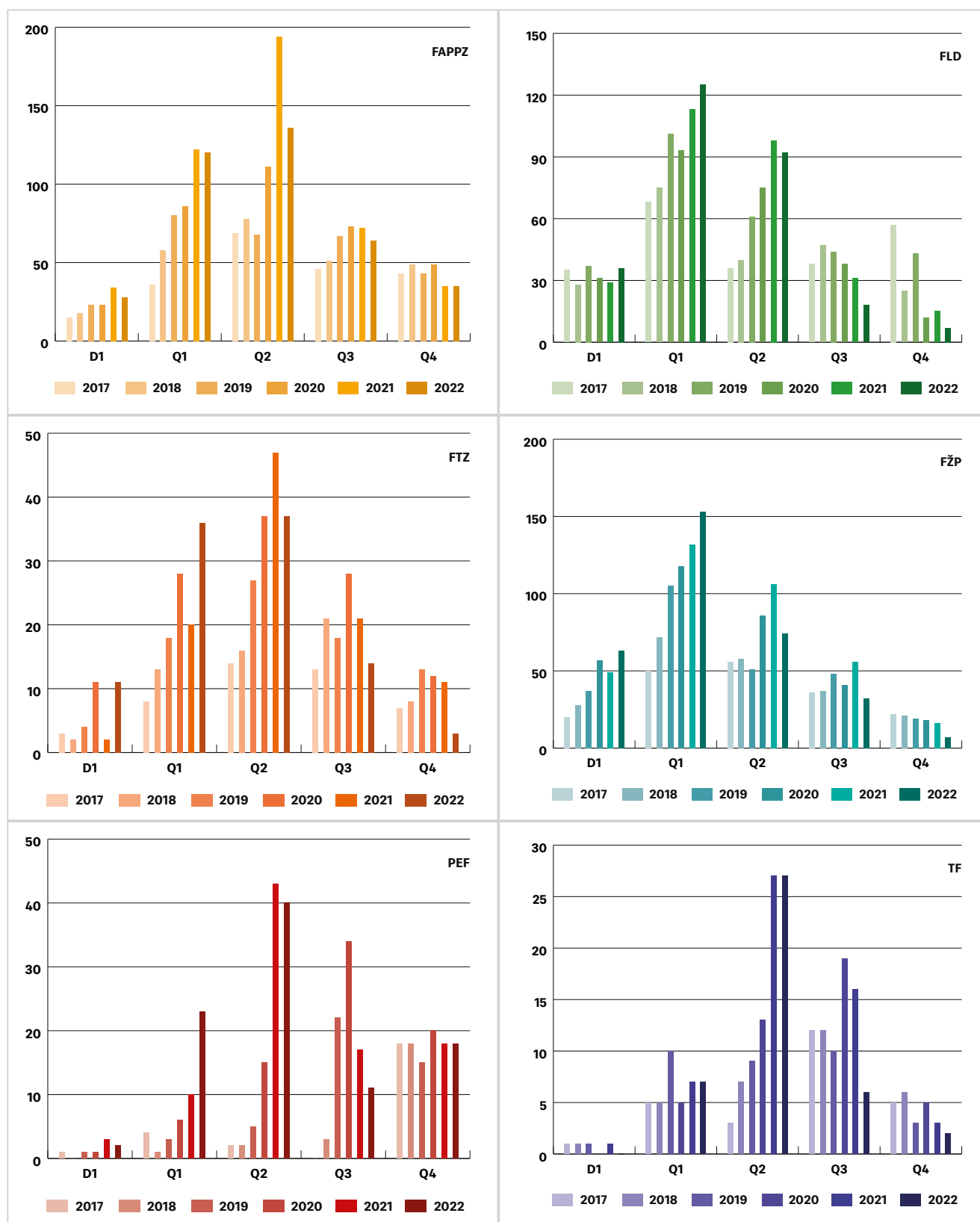


Figure 15: Distribution of publication outputs on Web of Science into quartiles by AIS for individual faculties in 2017–2022.

Figure 16 compares the CZU with nineteen universities in the Czech Republic, Euroleague universities and selected top world universities according to the percentage of articles in Q1 (IF) on Web of Science in 2022. **CZU took the 1st place among universities in the Czech Republic (56.93%)** and improved the 4th place from 2021 (53.04%) and the 5th place from 2020 (51.29%). CZU improved significantly in this category compared to 2019 (7th place, 45.52%), 2018 (11th place, 38.02%) and 2010 (14th place, 28.57%).

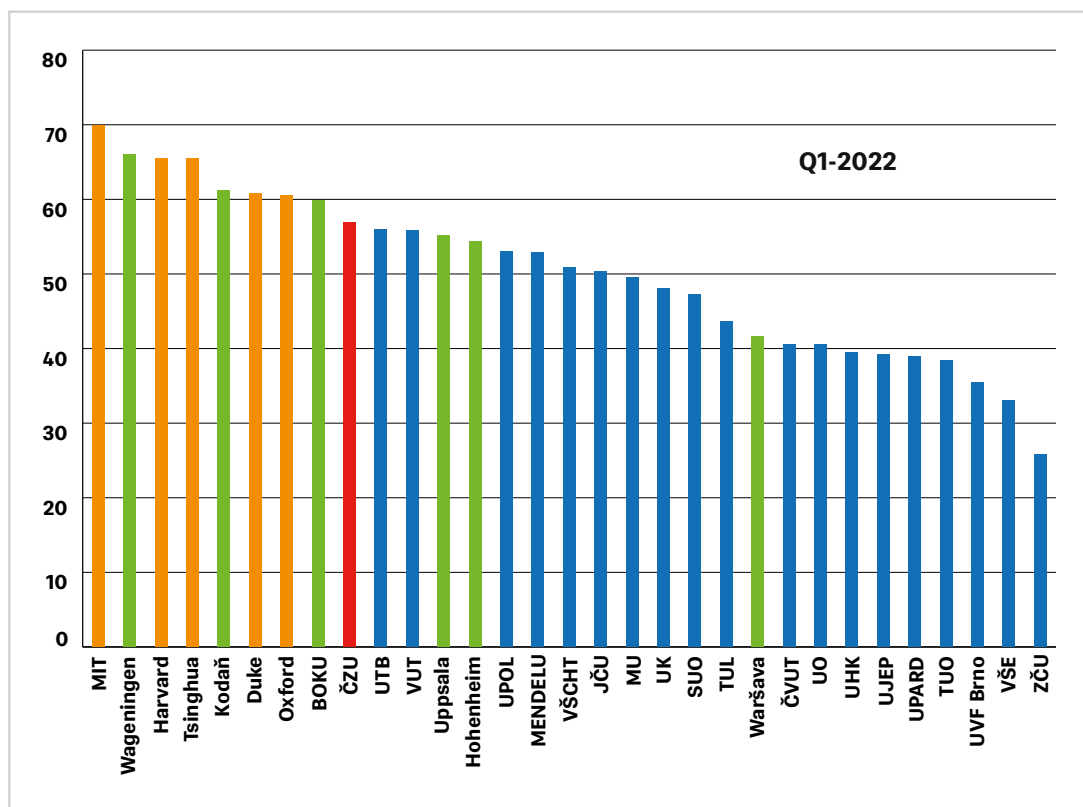


Figure 16: Percentage of CZU articles (in red) that were included in Web of Science in Q1 by impact factor in 2022. Euroleague universities (in green) and some of the world's top universities are also listed for comparison. Source: Clarivate, InCites.

Figure 17 shows the development of the number of publications of CZU employees in Q1 according to Web of Science in the period 2001-2022. **While in 2001 only one article was published at the CZU in Q1, in 2022 there were 608 articles.** In Figure 18, the number of articles in Q1 according to Web of Science is expressed as a percentage of the total number of articles on WoS for the period 2001-2022. Here, too, we can see a significant increase - **while in 2001 the share of articles in Q1 was only 2%, in 2021 it was a full 56.93%.**

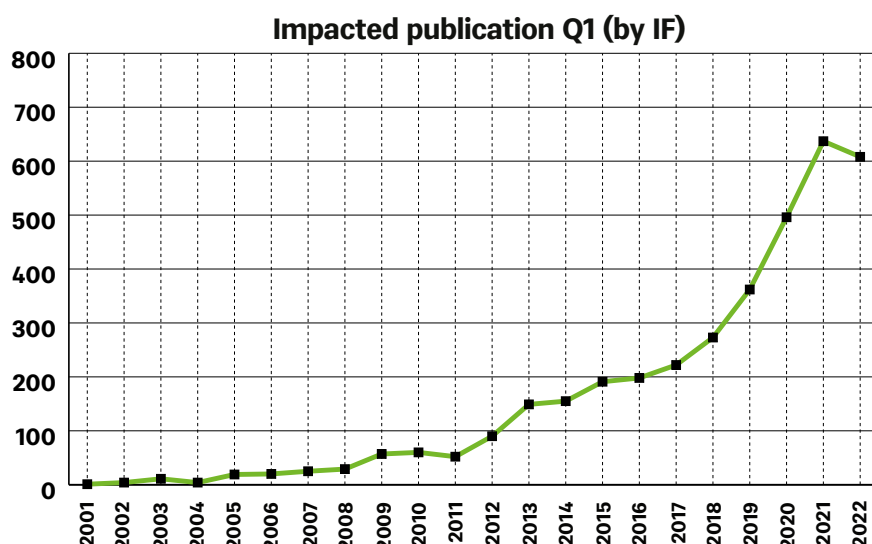


Figure 17: Number of publications of CZU staff in Q1 by WoS in the period 2001–2022.  
Source: Clarivate, InCites.

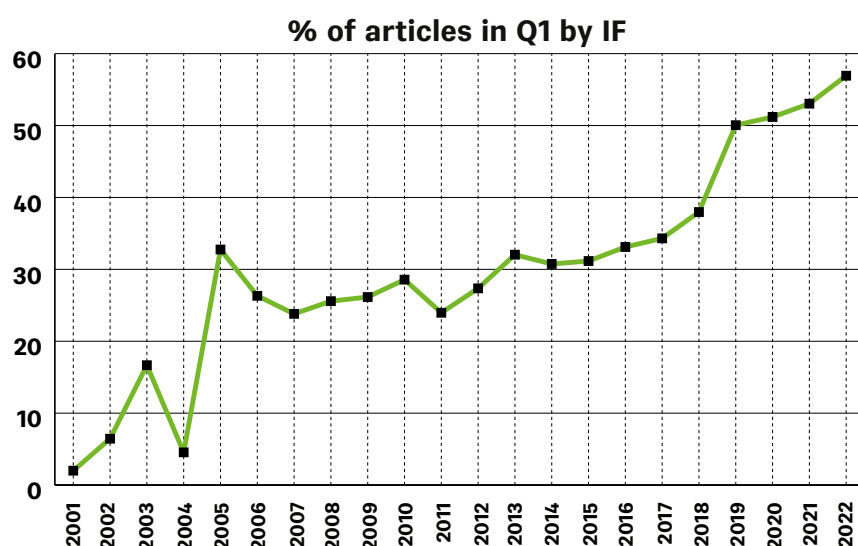


Figure 18: Percentage of articles in Q1 out of the total number of articles published by CZU staff in 2001–2022.  
Source: Clarivate, InCites.

Figure 19 shows a similar comparison for cells that were classified in the first decile of D1. CZU slightly deteriorated its position among universities in the Czech Republic in 2022 (5th place compared to 3rd place in 2021) and the percentage of articles in D1 decreased from 13.12% to 11.29% year-on-year. In 2019 and 2018, CZU ranked 5th (9.23%) and 4th (9.78%) in this parameter, respectively. Compared to 2010, however, this is a significant increase, as in that year the CZU ranked 17th among Czech universities (6.13%).

Figure 20 shows the evolution of the number of articles of CZU employees in the D1 category for the period 2001-2022. **In 2001, only one article was classified in the D1 category, in 2022 there will be 125.** The **percentage of D1 cells has increased from 3.45% in 2001 to 11.29% in 2022** (Figure 21).

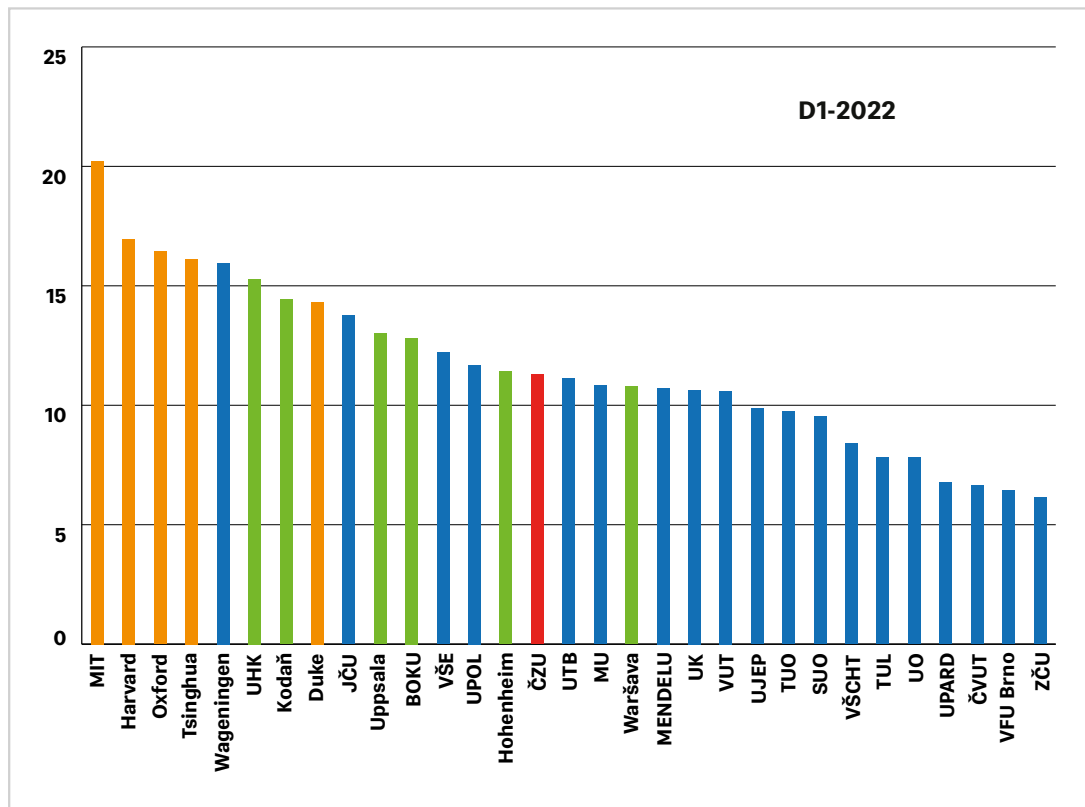


Figure 19: Percentage of CZU articles (in red) that were included in Web of Science in D1 by impact factor in 2022. Euroleague universities (in green) and some of the world's top universities are also listed for comparison. Source: Clarivate, InCites.

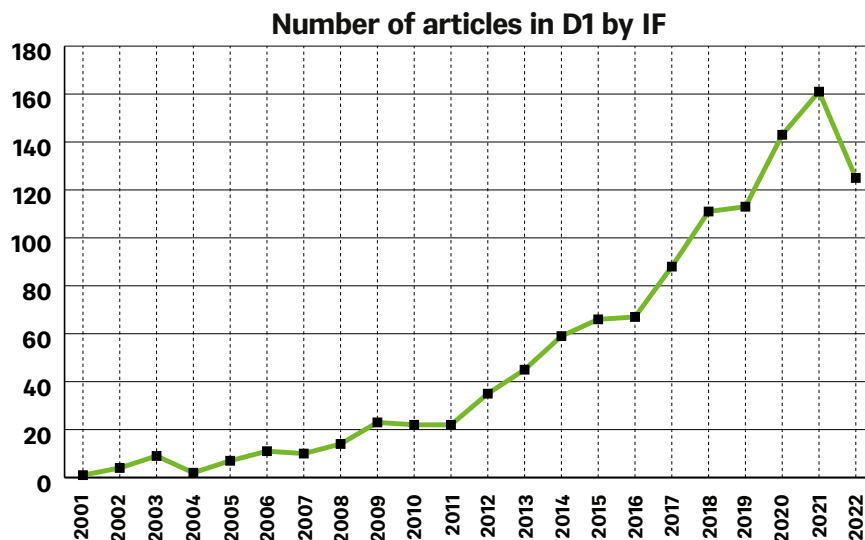


Figure 20: Number of publications of CZU staff in D1 according to WoS (IF) in the period 2001–2022. Source: Clarivate, InCites.

The increase in the quality of articles by CZU staff is inevitably reflected by a significant decrease in the proportion of articles in Q4 (Figure 22), in addition to the increasing proportion of articles in D1 and Q1. **In 2022, it was only 3.18% and in this respect, CZU has the lowest share of Q4 articles of all universities in the Czech Republic.** Since 2014, there has been a significant decline in the number of articles in the Q4 category (Figure 23) and, in particular, a significant decline in the

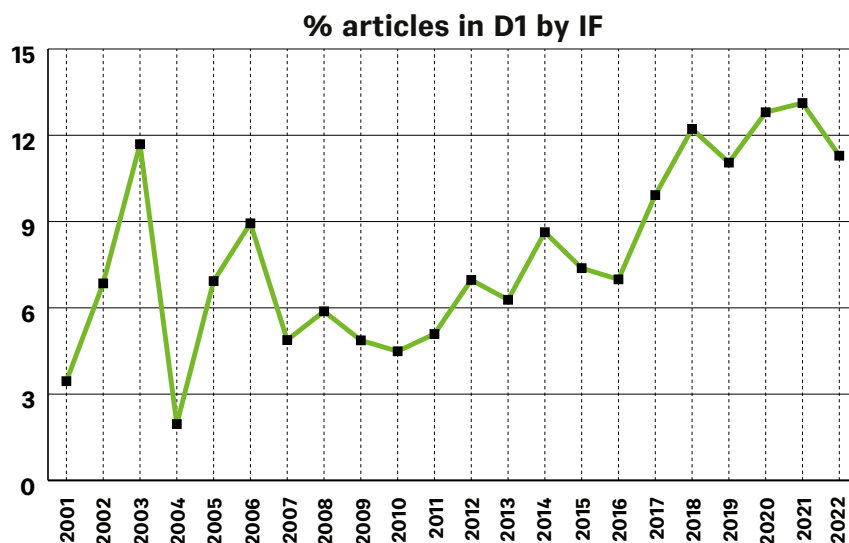


Figure 21: Percentage of articles in Q1 out of the total number of articles published by CZU staff in 2001–2022.  
Source: Clarivate, InCites.

percentage of Q4 articles. **In 2004, a full 72.73% of the articles were classified as Q4, while in 2022 only 3.18% are classified as Q4** (Figure 24).

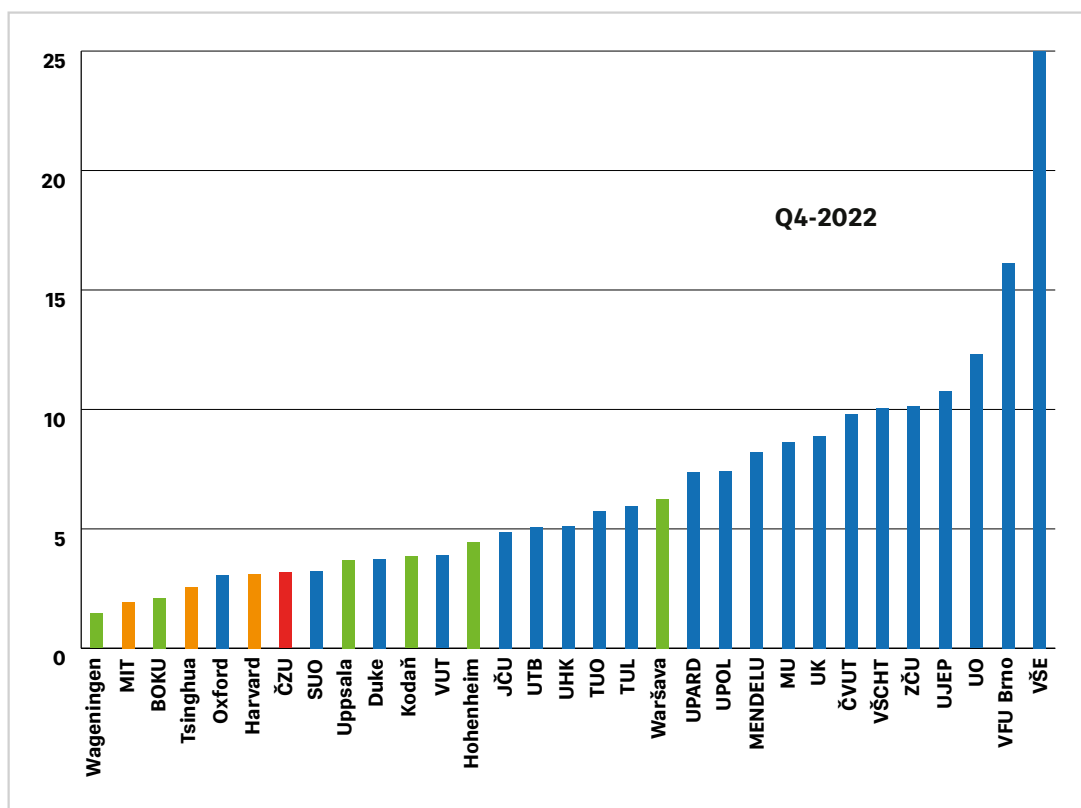


Figure 22: Percentage of CZU articles (in red) that were included in Web of Science in Q4 by impact factor in 2022. Euroleague universities (in green) and some of the world's top universities are also listed for comparison.  
Source: Clarivate, InCites.

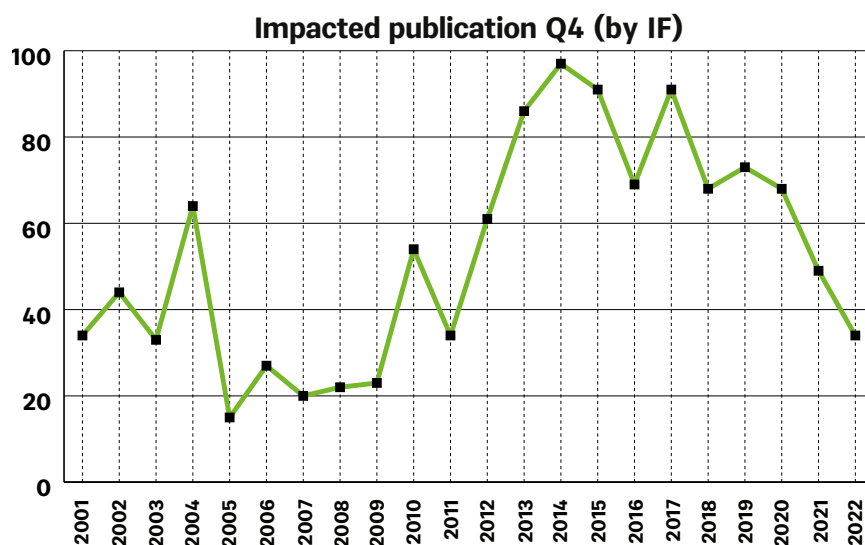


Figure 23: Number of publications of CZU staff in Q4 according to WoS in the period 2001–2022.  
Source: Clarivate, InCites.

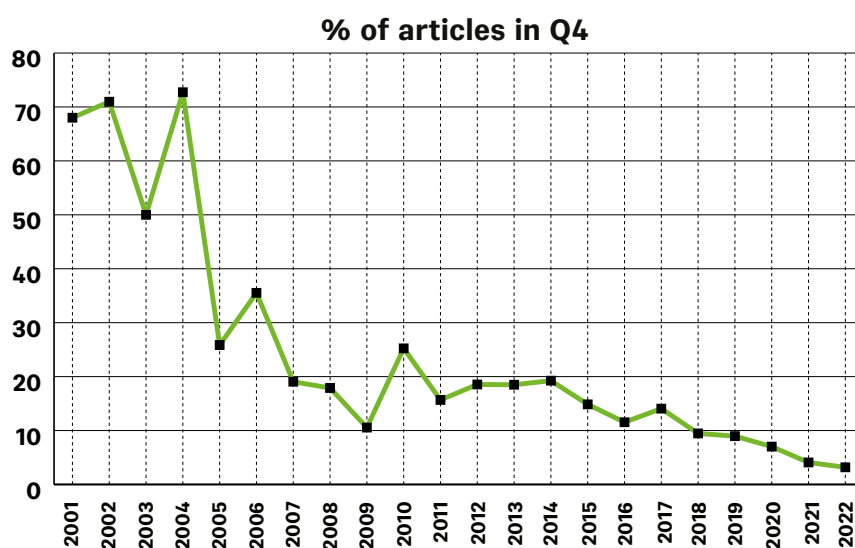


Figure 24: Percentage of articles in Q4 out of the total number of articles published by CZU staff in the years 2001–2022. Source: Clarivate, InCites.



**06**

# Results of applied research





## 06 / Results of applied research

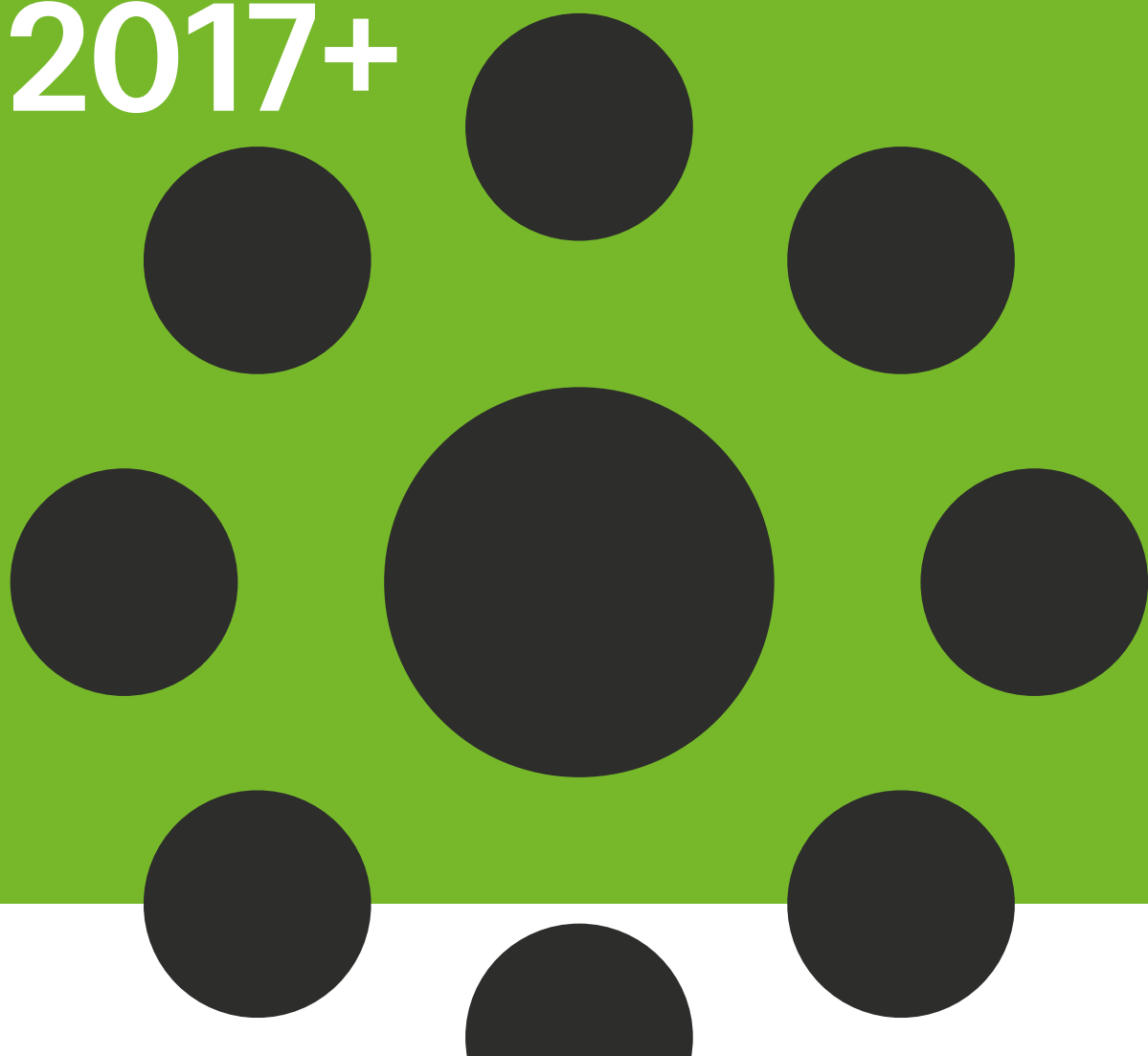
The results of applied research of the type book and book chapter, patent, utility model, certified method, software, research report and conference proceedings for the year 2022 are shown in Table 4.

Faculty	Book + chapter in book	Czech patent	Utility model	Certified methodology	Software	Research report	Conference proceeding
PEF	10	0	0	4	5	5	55
FAPPZ	5	2	6	19	5	43	5
TF	2	1	2	2	0	7	3
FŽP	6	0	1	3	1	10	1
FLD	12	2	1	7	0	7	6
FTZ	2	1	0	2	0	2	1
IVP	3	0	0	0	0	0	3

Table 4: Results of applied research in 2022 at CZU.

**07**

# Evaluation of Module 1 according to Methodology 2017+



# 07 / Evaluation of Module 1 according to Methodology 2017+

Table 5 shows the ratings of the outputs of the CZU that were selected as „quality outcomes“ in 2016-2021. From the table above, it can be seen that there is a slight improvement in the average rating over the assessment period (3.36 in 2016, 2.72 in 2021). **It is encouraging to see an increase in the proportion of outputs rated as Level 1 and 2 - in 2021, the proportion of outputs rated as such was 42%, compared to only 27% in 2020.**

**Note:** The Module 1 evaluation is set up so that the evaluation for a given year is not published until two years later, e.g. the evaluation of outputs for 2021 is not published until 2023.

Qualitative scale for the evaluation criterion „**contribution to knowledge**“:

- A result that is world-leading in terms of originality, significance and difficulty to obtain.
- A result that is internationally excellent in terms of originality, significance and difficulty to obtain, but does not reach the highest level of excellence (excellent).
- A result that is internationally recognised in terms of originality, significance and difficulty to obtain.
- A result that is nationally recognizable in terms of originality, significance, and difficulty to obtain.
- A result that does not meet the standard of nationally recognized work.

The qualitative scale for the evaluation criterion „**social relevance**“ is as follows:

- A world-leading result, the use of which in practice will bring about a fundamental change with international economic impact (a realistic assumption of broad application in multiple foreign markets, etc.) or a change with an extraordinary international impact on society (a realistic assumption of fundamental application at the international level in areas of public interest).
- A result at an excellent level (excellent), the use of which in practice will bring about change with an international economic impact (a realistic assumption of application in a foreign market, etc.) or a change with a significant impact on society (a realistic assumption of a fundamental application in areas of public interest).

- A result at a very good level, the use of which in practice will bring about change with an economic impact on the Czech market or a change with an impact on society (a realistic assumption of application in areas of public interest).
- A result at an average level, the use of which in practice will bring a partial change with an economic impact on the Czech market or a partial change with an impact on Czech society (a realistic assumption of partial application in areas of public interest).
- The result is at a below-average level, the use of which in practice is unlikely to bring any change with economic impact or change with impact on Czech society (there is no realistic expectation of application in areas of public interest).

Rating	1	2	3	4	5	Average
2016	0	4	12	5	4	3,36
2017	0	14	15	14	4	3,17
2018	4	11	15	8	3	2,87
2019	1	15	13	10	2	2,93
2020	3	9	19	12	1	2,98
2021	4	11	13	7	1	2,72
Total	12	64	87	56	15	234

Table 5: Evaluation of Module 1 under Methodology 2017+ in 2016-2021.

## Shanghai University Rankings

The Academic Ranking of World Universities (ARWU) has been published by Shanghai Jia Tong University since 2003. Since 2009, the ARWU has been published annually by Shanghai Ranking Consultancy, an organization that is not legally affiliated with any university. The Shanghai ranking is considered one of the three most important university rankings, along with QS World University Rankings and Times Higher Education World University Rankings. The Shanghai ranking is considered to be the most objective in terms of the methodology used, the disadvantage is that it does not take into account the size of the university.

**Criteria used for the Shanghai Ranking:**

University graduates who have received the Nobel Prize (100% after 2011)	10 %
University staff who have received the Nobel Prize (100% after 2021)	20 %
„Highly Cited“ researchers (Clarivate, primary affiliation only)	20 %
Articles published in Nature and Science (2018–2022, 100 % for the institution of the corresponding author, 50 % for the institution of the first author, unless corresponding, 25 % for another institution, 10 % for other institutions)	20 %
Articles indexed in „Science Citation Index-Expanded and Social Science Citation index“ (Web of Science, Clarivate)	20 %
Production of articles per number of academic staff (FTE)	10 %

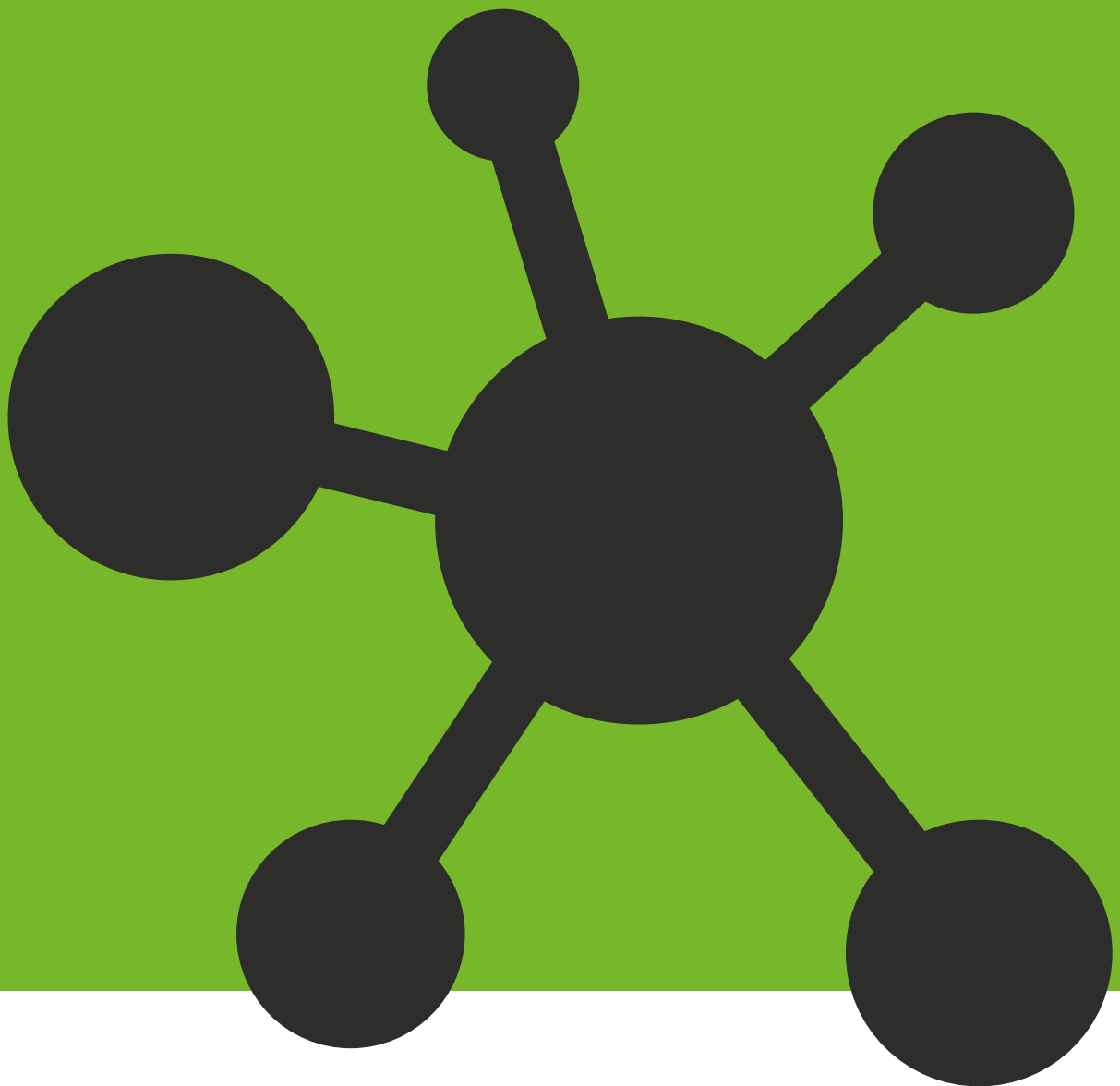
Table 6 shows the ranking of Czech universities in the Shanghai ranking in 2020-2023. The Shanghai Ranking includes approximately 2,500 of the best universities worldwide and each year the ranking of the top 1,000 universities is published. **CZU recorded a pleasing rise in 2023, moving from the 801-900 category to the 601-700 category and moved up to the shared 3rd place in the Czech universities.**

	Ranking in CZ in 2023	2020	2021	2022	2023
<b>Charles University</b>	1.	201–300	201–300	301–400	301–400
<b>Masaryk University</b>	2.	601–700	601–700	401–500	401–500
<b>Czech University of Life Sciences (CZU)</b>	<b>3.–4.</b>	<b>801–900</b>	<b>801–900</b>	<b>801–900</b>	<b>601–700</b>
<b>Palacký University Olomouc</b>	3.–4.	501–600	701–800	701–800	601–700
<b>Brno University of Technology</b>	5.		701–800	901–1000	701–800
<b>Czech Technical University</b>	6.	701–800	801–900	801–900	801–900
<b>Technical University of Ostrava</b>			901–1000	901–1000	
<b>University of South Bohemia</b>		901–1000		901–1000	
<b>University of Chemistry and Technology in Prague</b>		901–1000			

Table 6: Ranking of Czech universities according to the Shanghai Ranking in 2020-2023.  
The ranking of universities within the Czech Republic is given for the year 2023.

**08**

# Summary



## 09 / Summary

In 2022, the funds obtained by CZU through external research projects totalled CZK 460.61 million . If the amount of allocated institutional support is added to the funds obtained through grant agencies, the total amount of CZU funds for science research in 2022 reached CZK 776,029 thousand. This is 11.7% more than in 2021 and 3.5% more than in 2020.

A total of 245 research projects from domestic and foreign sources were carried out at CZU in 2022, which represents 18 more projects than in 2021 and 35 more projects than in 2020. The largest number of grants in 2022 was addressed within the Czech Technology Agency (73 projects), the Ministry of Agriculture Grant Agency (49 grants) and the Czech Grant Agency (28 projects).

The number of students in doctoral study programmes in 2022 decreased by 62 students to 1023 compared to 2021. There were 781 students, 43 fewer than in 2021. If the number of students per supervisor includes only students studying at the university, the average number of students per supervisor is 2.87. If students who have interrupted their studies are included, the average of the CZU is 3.76. There has been a slight year-on-year increase in the number of doctoral graduates (84 in 2022, 81 in 2020). The number of graduates in 2021 is comparable to 2018 (86) and 2019 (83), while the exceptionally low number of graduates in 2020 (42) was due to the extension of the study period by half a year as a result of the Covid-19 pandemic.

In 2022, 22 habilitation procedures were completed, which is comparable to 2021 (20 habilitation procedures) and significantly more than in 2020 (13 appointments as associate professor). The number of newly appointed professors (5) was the same as the number of appointments in 2021. In 2022, a total of 1147 scientific publications were published by CZU Praha staff, which are registered in the Web of Science and Scopus databases (Figure 10), which is 23 fewer outputs than in 2021 and 159 more than in 2020. The number of articles in the Web of Science database decreased year-on-year by 109 to 1028 (1137 articles in 2021), an increase of 88 articles compared to 2020. The number of articles in the Scopus database (119) increased year-on-year by 27 articles , but this is 63 fewer articles compared to 2019 and 172 fewer articles compared to 2017.

When evaluating the publication activities according to the AIS (Advanced Impact Score), it can be seen that the number of articles in D1 (131) is slightly higher than in 2021 (113) and 2020 (122). This is an increase of 75% compared to 2017. The number of articles in Q1 increased year-on-year by 31 to 443 (7.5% increase). The number of articles in Q2 is significantly reduced from 497 in 2021 to 379 in 2022. In 2022, articles in Q1 and Q2 accounted for a full 80% of the total number of articles on WoS. On the other hand, the number of articles in Q4 dropped significantly year-on-year (from 97 to 68).

In 2022, CZU took the 1st place among universities in the Czech Republic according to the percentage of articles in Q1 (56.93%) and improved the 4th place from 2021 (53.04%) and the 5th place from 2020 (51.29%). CZU improved significantly in this category compared to 2019 (7th place, 45.52%), 2018 (11th place, 38.02%) and 2010 (14th place, 28.57%). The percentage of articles classified in the first decile increased year-on-year from 13.12% to 11.29%, which ranked CZU in fifth place among universities in the Czech Republic and lowered it by two places. Compared to 2010, however, this is a significant increase, as in that year the CZU ranked 17th among Czech universities (6.13%). It is pleasing to note the steadily decreasing proportion of articles classified in Q4. While in 2004 a full 72.73% of articles were included in this category, in 2022 it was only 3.18% and in this respect the CZU has the lowest proportion of Q4 articles of all universities in the Czech Republic.

The results of the Module 1 assessment according to the 2017+ Methodology show that there is a slight improvement in the average score over the assessment period (2016-2021) (3.36 in 2016, 2.72 in 2021). It is encouraging to see an increase in the proportion of outputs rated at Level 1 and 2 - 42% in 2021, compared to only 27% of outputs so assessed in 2020.

In 2023, CZU recorded a gratifying rise in the Shanghai University Ranking, moving from the 801-900 category to the 601-700 category and moving up to the shared 3rd place within Czech universities.









Czech University  
of Life Sciences Prague

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