FACULTY OF WOOD SCIENCES AND TECHNOLOGY

Technical University in Zvolen

ANNUAL REPORT

ON THE ACTIVITIES OF THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

TECHNICAL UNIVERSITY IN ZVOLEN

2022

Zvolen, 2023

The presented annual report on the activities of the Faculty of Wood Sciences and Technology of the Technical University in Zvolen is prepared by the management of the Faculty in accordance with Act No. 131/2002 Coll. on Higher Education and on Amendments and Additions to Certain Acts. The individual parts of the report were discussed by the Dean´s Advisory Board of the Faculty of Wood Sciences and Technology and subsequently approved by the Scientific and Artistic Board of the Faculty of Wood Sciences and Technology of the Technical University in Zvolen.

The annual report as a whole provides a comprehensive picture of the structure, qualitative and quantitative indicators of individual activities of the Faculty and its basic organizational components - departments. It also provides important information for the Scientific and Artistic Council and the Academic Senate of the Faculty of Wood Sciences and Technology. It is the basis for the periodic evaluation of the faculty by the authorities of the Technical University in Zvolen and the Ministry of Education, Science, Research and Sport of the Slovak Republic. The report is a part of the basis for the preparation of the report of the Long-term Plan of the Faculty of Wood Sciences and Technology in Zvolen for the years 2017 - 2023.

The results of the annual report show that the management of the Faculty of Wood Sciences and Technology makes maximum use of the available financial and human resources to efficiently perform the tasks and achieve the goals set out in the Long-Term Plan of the Faculty of Wood Sciences and Technology of the Technical University for 2017 - 2023. All measures implemented during the previous period were aimed at streamlining the work and activities of the Faculty of Wood Sciences and Technology, as well as increasing the performance in pedagogical, scientific research and other activities.

prof. Ing. Ján Sedliačik, PhD.
Dean of DF

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I. ACADEMIC BODIES OF THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

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Members:

doc. Ing. Iveta Čabalová, PhD.
prof. Ing. Ladislav Dzurenda, PhD.
Mgr. Elena Farkašová, ArtD.
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Ing. Jarmila Klementová, PhD.
doc. PaedDr. Ľuboš Krišťák, PhD.
Ing. Denisa Lizoňová, ArtD.
doc. Ing. Miroslava Mamoňová, PhD.
doc. Ing. Ján Parobek, PhD.
Ing. Ľubica Slašťanová
Ing. Roman Soyka, PhD.
doc. Ing. Martin Zachar, PhD.
Monika Ratkovská (Bc.)
Michaela Šuhajdová (Bc.)
Lucia Trnkócyová (Bc)
Bc. Ivan Strmý (Ing.)
Mgr.art. Simona Hanesová (PhD student)
Ing. Róbert Uhrín (PhD student)

I. 3. SCIENTIFIC AND ARTISTIC BOARD OF THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

The Chair: **Prof. Ing. Ján Sedliačik, PhD.**

Members:
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Ing. Rastislav Igaz, PhD.
doc. Ing. Zuzana Tončíková, ArtD.
doc. akad. sculptor. René Baďura
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prof. Ing. Miloš Hitka, PhD.
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doc. M.A. Vladimír Kovařík
Ing. Igor Patráš
Ing. Ján Pivoluska, CSc.
prof. Ing. Maroš Soldán, PhD.

I. 4. DEAN´S ADVISORY BOARD OF THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

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Ing. Rastislav Igaz, PhD.
doc. Ing. Zuzana Tončíková, ArtD.
Ing. Adrián Banski, PhD.
Ing. Anna Hazlingerová
doc. akad. sculptor. René Baďura
doc. Ing. Iveta Čabalová, PhD.
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RNDr. Andrej Jankech, PhD.
prof. RNDr. Danica Kačíková, PhD., MSc.
prof. Ing. Ivan Klement, CSc.
doc. PaedDr. Ľuboš Krišťák, PhD.
doc. Ing. Rastislav Lagaňa, PhD. et PhD.
doc. Ing. Marek Potkány, PhD.
prof. Ing. Jozef Štefko, CSc.
Dr.h.c. prof. Ing. Mikuláš Šupín, CSc.
Ing. Veronika Veľková, PhD.

Invited:
Dr. phil. Mgr. Marek Ľupták - Head of the Department of Foreign Languages

II. EDUCATIONAL ACTIVITIES

II. 1. INTRODUCTION

In the academic year 2021/2022, the Faculty of Wood Sciences and Technology provided education in full-time and part-time form of study in the following fields of study and programmes:

Full-time form of study:

Degree of study	Field of Study	Study programme
I.	**Wood Sciences and Technology**	Wood processing
		Furniture design and construction
		Management of woodworking and furniture production
		Timber and Wood Structures
	Economics and Management	Economics and management of wood processing companies
	Safety and Security Sciences	Fire protection and safety
	Art	Design of Furniture and Interior
II.	**Wood Sciences and Technology**	Wood Engineering
		Furniture design and construction
		Management of woodworking and furniture production
		Timber and Wood Structures
	Economics and Management	Economics and management of wood processing companies
	Safety and Security Sciences	Fire protection and safety
	Art	Design of Furniture and Interior
III.	**Wood Sciences and Technology**	Wood processing technology
		Wood Structure and Properties
		Construction and Technology of Wooden products
	Safety and Security Sciences	Fire protection and safety
	Art	Furniture and Living design

External form of study:

II. 2. NUMBERS OF STUDENTS IN STUDY PROGRAMMES I. A II. GRADE

Degree of study	Field of study	Study programme
I.	Wood Sciences and Technology	Construction of Timber and wood structures and furniture - Volyně
		Furniture production
		Creation and construction of furniture
		Design and construction of furniture - Volyně
		Timber and Wood Structures
		Timber and Wood Structures Volyně
	Economics and Management	Business management in DSP
		Economics and Business Management DSP
	Safety and Security Sciences	Fire protection and safety
II.	Wood Sciences and Technology	Wood Engineering
		Creation and construction of furniture
		Timber and Wood Structures
	Economics and Management	Business management in DSP
		Economics and Business Management DSP
	Safety and Security Sciences	Fire protection and safety
III.	Wood Sciences and Technology	Technology of Wood processing
	Wood Sciences and Technology	Wood Structure and Properties
	Wood Sciences and Technology	Construction and Technology of Wooden Products
	Safety and Security Sciences	Fire protection and safety
	Art	Furniture and living design

The numbers of enrolled students by programmes, fields, degrees, years and forms of study are shown in Tables 1.1, 1.2.

Table 1.1 Number of students enrolled in full-time studies in the academic year 2021/2022
full-time study

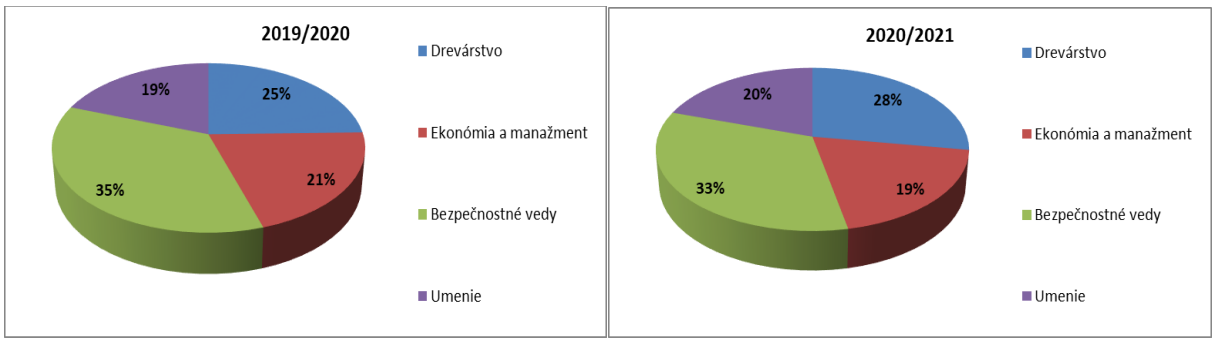
Department/Programme	Vintage				Total
	1.	2.	3.	4.	
I. level of study					
Study field: Wood Sciences and Technology					
Wood processing with IT support	4	0	0	-	4

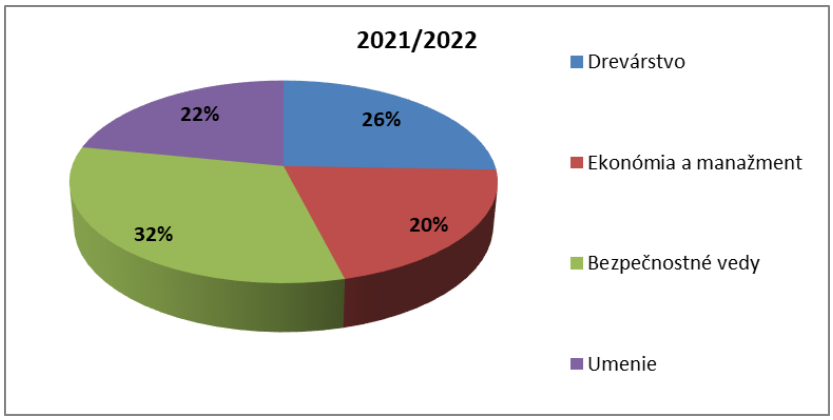
Creation and construction of furniture	22	11	8	-	41
Family business in the wood and furniture industry	-	-	-	-	-
Timber and Wood Structures	34	13	18	-	65
Total field: Wood Sciences and Technology	**60**	**24**	**26**	**-**	**110(136)**
Department: economics and management					
Economics and Business Management DSP	**40**	**23**	**25**	**-**	**88(95)**
Department: security sciences					
Fire protection and safety	**62**	**40**	**36**	**-**	**138(164)**
Department: art					
Furniture and interior design	**32**	**16**	**25**	**21**	**94(98)**
Total I. level	***194(214)***	***103(141)***	***112(113)***	***21(25)***	***430(493)***
II. level of study					
Study field: Wood Sciences and Technology					
Wood Engineering	1	4	-	-	5
Creation and construction of furniture	5	10	-	-	15
Management of woodworking and furniture production	-	-	-	-	-
Timber and Wood Structures	20	14	-	-	34
Total field: Wood Sciences and Technology	**26**	**28**	**-**	**-**	**54(54)**
Department: economics and management					
Economics and Business Management DSP	**19**	**33**	**-**	**-**	**52(67)**
Department: security sciences					
Fire protection and safety	**39**	**42**	**-**	**-**	**81(80)**
Department: art					
Furniture and interior design	**10**	**6**	**-**	**-**	**16(14)**
Total II. Grade	***94(112)***	***109(103)***	**-**	**-**	***203(215)***
Full-time study total	**288(326)**	**212(244)**	**112(113)**	**21(25)**	**633(708)**

Status as of 31.10.2021, Data in brackets are from the previous a.y.

Overview of the percentage share of the number of **full-time** students in the 1st and 2nd cycle of study by disciplines at the Faculty of Wood Sciences and Technology in the academic years 2019/2020, 2020/2021/, 2021/2022.

Level I





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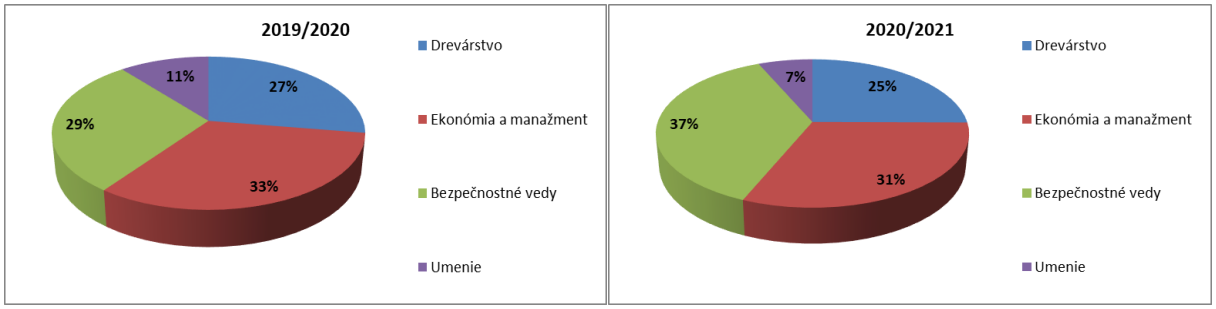


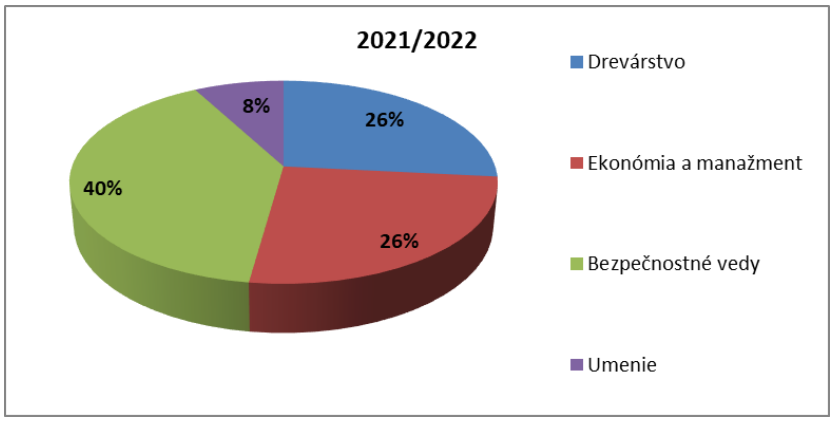


Table 1.2 Number of students enrolled in the external form of study in the academic year 2021/2022

external study

Department/Programme	Vintage				Total
	1.	2.	3.	4.	
I. level of study					
Study field: Wood Sciences and Technology					
Creation and construction of furniture	11	1	3	4	19
Design and construction of furniture - Volyně, Czech Republic	8	6	2	4	20
Timber and wood structures	17	5	1	9	32
Timber and wood structures - Volyně	10	11	6	16	43
Total Study field of Wood Sciences and Technology	**46**	**23**	**12**	**33**	**114(117)**
Department: economics and management					

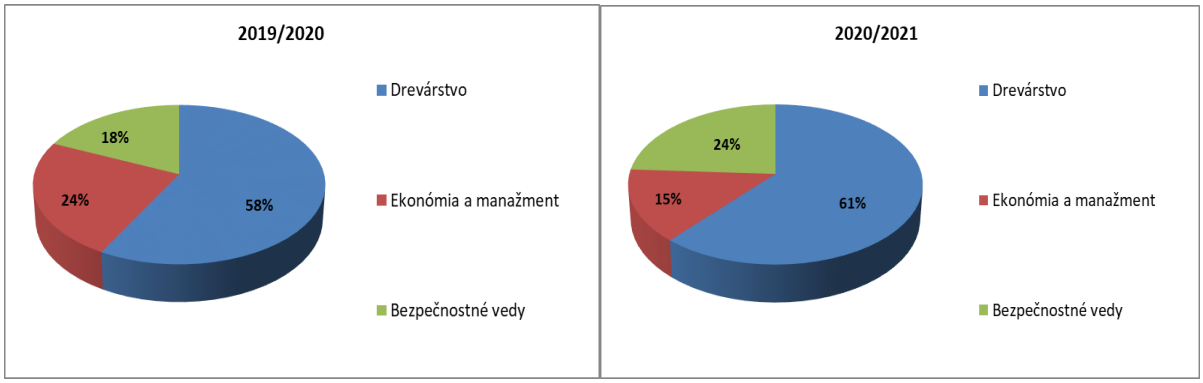
Economics and Business Management DSP	**11**	**7**	**1**	**10**	**29(28)**
Department: Safety and Security Sciences					
Fire protection and safety	**15**	**8**	**4**	**11**	**38(46)**
Total I. level	***72(91)***	***38(22)***	***17(36)***	***54(42)***	***181(191)***
II. level of study					
Study field: Wood Sciences and Technology					
Wood Engineering	0	0	0	-	0
Creation and construction of furniture	4	0	0	-	4
Timber and wood structures	4	4	4	-	12
Total Study field of Wood Sciences and Technology	**8**	**4**	**4**	**-**	**16(14)**
Study field: economics and management					
Economics and Business Management DSP	**11**	**7**	**1**	**-**	**19(16)**
Study field: Safety and Security Sciences					
Fire protection and safety	**21**	**4**	**9**	**-**	**34(21)**
Total Level II	***40(24)***	***15(12)***	***14(15)***	**-**	***69(51)***
External study total	**112(115)**	**53(34)**	**31(51)**	**54(42)**	**250(242)**

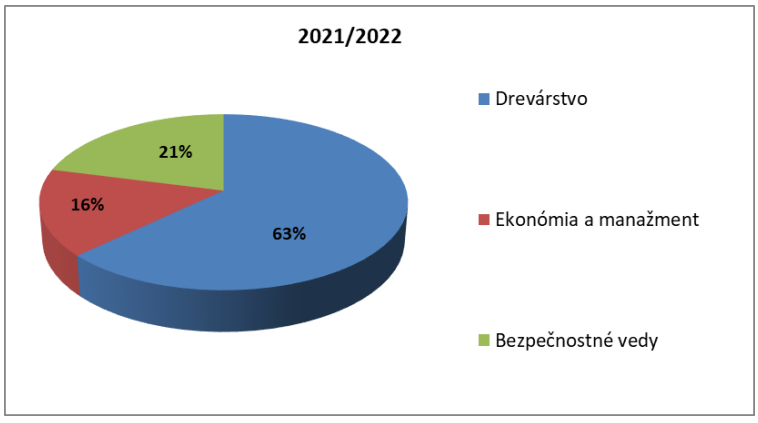
Status as of 31.10.2021

Note: Figures in brackets are from the previous year.

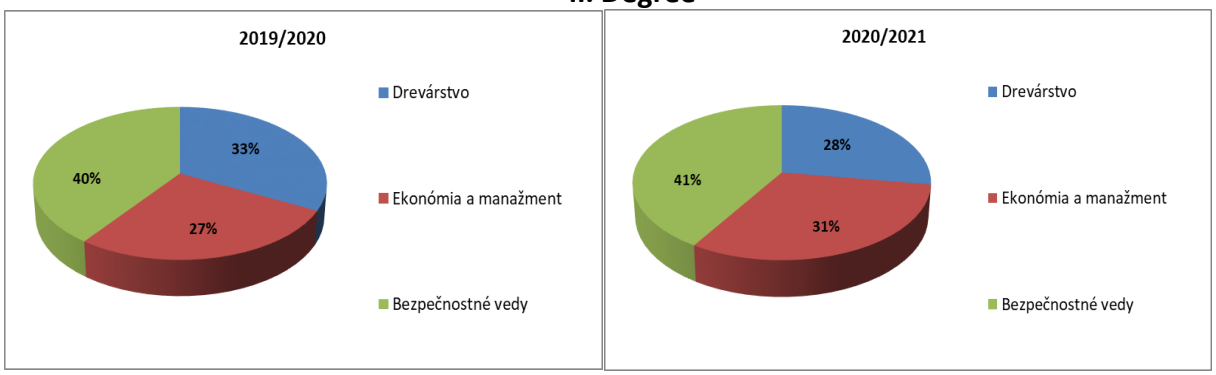
Overview of the percentage share of the number of students in **the external** form of study in the 1st and 2nd cycle by disciplines at the Faculty of Wood Sciences and Technology in the academic years 2019/2020, 2020/2021, 2021/2022.

I. Grade





II. Degree



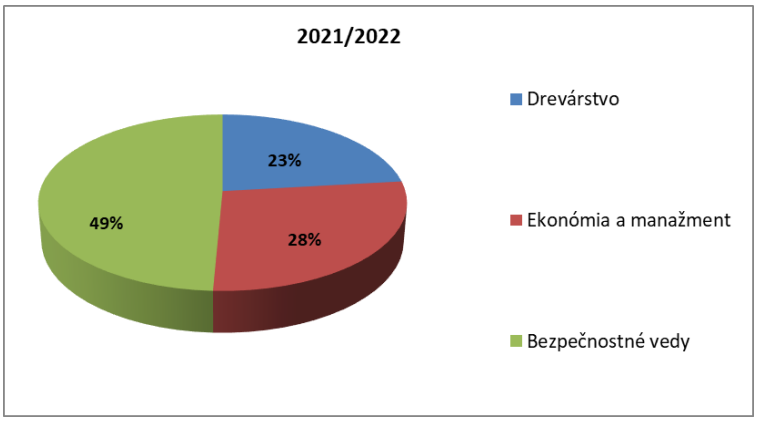


Table 1.3a Overall statistics on the number of students enrolled in the Faculty of Wood Sciences and Technology in the academic year 2021/2022

	Vintage				Total
	1.Bc + 1.Ing	2.Bc + 2.Ing	3.Bc	4.Bc	
Full-time + external study	1.Bc 266(305) 1.Ing 134(136)	2.Bc 141(163) 2.Ing 124(115)	3.Bc. 129(149) 3.Ing. 14(15)	75(67)	883(950)

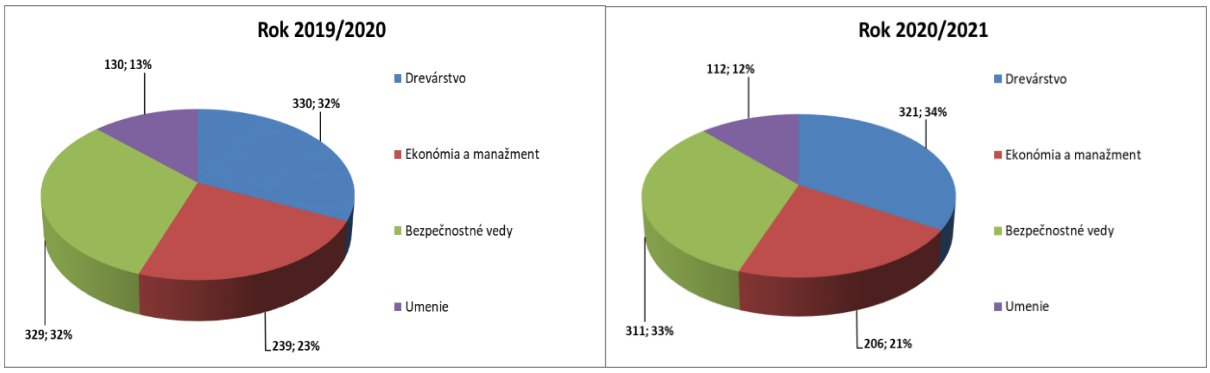
Table 1.3b

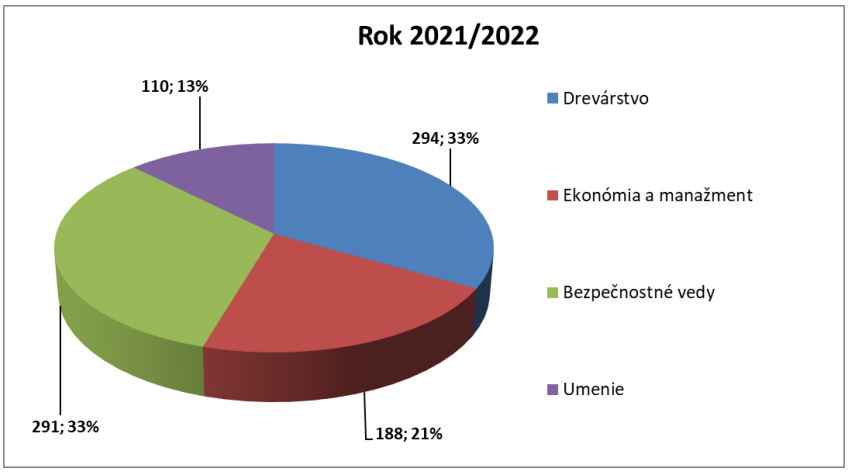
Faculty	Full-time form of study				External form of study				TOTAL
	Grade				Grade				
	I.	II.	III.	Total	I.	II.	III.	Total	
DF	430(493)	203(215)	20(20)	653(728)	181(191)	69(51)	13(15)	263(257)	916(985)

Status as of 31.10.2021

Note: Figures in brackets are from the previous year.

Overview of the percentage of the total number of **full-time** and **part-time** students in the 1st and 2nd cycle by disciplines at the Faculty of Wood Sciences and Technology in the academic years 2019/2020, 2020/2021, 2021/2022.





The total number of enrolled students studying at the Faculty of Wood Sciences and Technology decreased by 75 students (-10.6%) for full-time students and increased by 8 students (3.3%) for part-time students compared to the previous year.

The total number of students across all levels and forms of study was 916, a decrease of 7% compared to the previous academic year (6.9% a.y. 2020/2021).

II. 3.ASSESSMENT OF LEARNING OUTCOMES

The academic results achieved in the academic year 2021/2022 can also be assessed by the number of students (Table 2.1) who fulfilled the conditions for enrolment in the higher year in the academic year 2022/2023.

Table 2.1 Number of students in the academic year 2022/2023 as of 11.10.2022

Vintage	Number of students (active)	Interrupted	Abandonment for acad. year 2021/2022
Full-time study			
Level I			
1.	179	2	75
2.	103	1	30
3.	87	2	20
4.	28		2
Level II			
1.	83	1	8
2.	91	-	9
Total Full-time study	**571(633)**	**6(12)**	**144(168)**
External study			
Level I			
1.	77	5	45
2.	22	1	26
3.	33	1	12
4.	22	-	16
Level II			
1.	30	-	9
2.	31	1	4
3.	10	-	3
Total External study	**225(254)**	**8(9)**	**115(61)**
Total DŠ+EŠ	**796(887)**	**14(21)**	**259(229)**

Status as of 11.10.2022
Note: Figures in brackets are from the previous year.

Tables 1.1, 1.2 and 2.1 show that out of 194 full-time students of the first year of the first cycle of studies in the academic year 2021/2022, 103 students are continuing their studies in the second year of the first cycle of studies (in the academic year 2022/2023), 1 student has interrupted his/her studies, the others have been expelled due to failure to meet the study conditions for advancement to a higher cycle, have been enrolled in a higher cycle of studies or have dropped out of studies at their own request. In total, 75 students dropped out, which is 38.6% (51.8%; 39.5% in the previous academic year).

Of the 103 2nd year students in AY 2021/2022, 87 (in AY 2022/2023) entered the 3rd year, a decrease of 15.5% (previous AYs 19.8%; 18.1%) This is the number of third year students excluding students in the extra-length course.

There are 28 students enrolled in the 4th year of 2022/2023.

Out of 94 full-time students of the 1st year of the 2nd year of the 2nd degree in the academic year 2021/2022, three students did not progress to the 2nd year of the 2nd degree in the academic year 2022/2023.

Out of 72 students of the external form of study of the 1st year of the 1st degree in the academic year 2021/2022 to the 2nd year (in the academic year 2022/2023), 45 students did not progress, dropped out of the study, were enrolled in the higher year of study, which is 62.5% (in the previous years 58.2%; 56.9%). Out of 38 students of the 1st level of the 2nd year in the academic year 2021/2022 to the 3rd year (in the academic year 2022/2023) 5 students did not progress, which is 13.2% (in previous years 22.7%; 14.3%). Out of 17 students of the external form of study of the 1st degree of the 3rd year in the academic year 2021/2022, 2 students did not advance to the 4th year. Out of 40 students of the external form of the II. degree 1 in the academic year 2021/2022, 9 students did not progress to the 2nd year of the II. degree in the academic year 2022/2023. Five students did not progress to the third year of stage II.

A total of 259 students dropped out for AY 2021/2022, which is 29.2% (24.1%; 21.5% in previous AYs).

Overall, a.y. 2021/22 can be evaluated very negatively in terms of students' progression to the next year of study. The academic year was significantly affected by the second year of the COVID_19 pandemic and the move of part of the teaching to the online space. This has had a very negative impact on the appetite and willingness to study. This was especially evident in the freshmen, who handled the situation very poorly and dropped out of their studies during the a.r. The reduction of credits for advancement to the second semester (0 credits from the original 8/10) was not motivating and students still failed to complete their studies. Retention of students was not achieved even after possible interviews and explanations of the need of engineering graduates for practice and their employment. Distance learning was rated as challenging and there was a significant lack of personal contact with both the teacher and fellow students.

Table 2.2 Education/admission, progression and completion indicators a. 2021/2022

Percentage of first-year students who dropped out of their studies, by reason (expulsion for failure, dropping out, change of study programme)		
Code 73 - exclusion of disadvantage 48/266	Code 72 - abandonment 42/266	code 79 - transfer 14/266
Percentage of international students out of the total number of students		**85/916**
Percentage of students with non-Slovak citizenship studying in a language other than Slovak out of the total number of students		**0/916**
Percentage of students exceeding the standard length of study		
full-time study 1.,2.,3.degree 51/653	external study 1.,2.,3. degree 8/263	

Number of disciplinary proceedings (expulsion, reprimand, no consequences, etc.)			
number of proceedings 12 students	Exclusion from studies 0	Admonition 0	Without consequences 0

The results and development of the indicators are used to monitor the appropriateness of the methods of selecting and assessing eligibility for study, to evaluate the status and development of students' progress in the learning process and drop-out rates.

DF students achieve the educational outcomes shown in Table 2.3.

Table 2.3 Weighted study average achieved

	2020/2021 Weighted study average/exam retake index	2021/2022 Weighted study average/exam retake index
Bc.	2,44/1,5	2,46/1,52
Ing.	2,02/1,24	2,01/1,3

The system of support and motivation of students is also provided in the form of various types of scholarships in accordance with the applicable legislation and internal regulations of TU Zvolen. Students have the possibility to receive social, motivational, benefit, trade union (woodworking) and extraordinary scholarships.

The social scholarship is intended for full-time students of 1st and 2nd degree studies at a university based in Slovakia. When calculating the amount of the scholarship, the total income of the jointly assessed persons is taken into account. The social grant may be awarded only to students whose family income is close to the minimum subsistence level.

The incentive scholarship is awarded to students studying in first or second degree programmes and is assessed according to the quality of the academic results achieved in the courses taken.

Motivational Extraordinary Scholarship can be awarded to all students of TU Zvolen who have achieved outstanding results in the field of studies (Rector's Award, Dean's Award), in professional, scientific, research or sports activities or have successfully represented the University or
faculty at important national or international events.

An overview of the selected scholarships paid to students of the Faculty of Wood Sciences and Technology for the academic year 2021/2022 is given in Table 2.4.A total of € 82 053 was paid to 204 students excluding the social scholarship.

Table 2.4 Scholarships at the Faculty of Wood Sciences and Technology in the academic year 2021/2022

Incentive benefit		Motivational extraordinary		Motivational (research)		Motivational union	
Number of students	Amount paid	Number of students	Amount paid	Number of students	Amount paid	Number of	Retrieved from

						students	Amount
46	30 774 €	43	7 040 €	10	1 550 €	63	23 039 €

Dean's Award		Rector's Award		Motivational (sports)	
Number of students	Amount paid	Number of students	Amount paid	Number of students	Retrieved from Amount
19	4 250 €	10	8 200 €	7	1 400 €

Social grant		Pregnancy grant	
Number of students	Amount paid	Number of students	Amount paid
20	28 950 €	6	5 800 €

II. 4. EVALUATION OF THE MAIN EXERCISES

In the 2021/2022 academic year, major exercises and field trips were not implemented due to the COVID_19 pandemic and predominantly online instruction.

II. 5. NUMBERS OF GRADUATES AND EVALUATION OF STATE EXAMINATIONS AND THESIS DEFENCES

The number of graduates (1st degree, 2nd degree) of the Faculty of Wood Sciences and Technology in the academic year 2021/2022 is shown in Table 4.1.

Table 4.1 Graduates of the Faculty of Wood Sciences and Technology in 2021/2022

	Faculty of Wood Sciences and Technology	Number of participants	Benefited	of which benefited with distinction	Do not pass
I. st.	Full-time study	102	97	7	5
	External study	44	42	-	2
	Total ES + ES	**146(160)**	**139(146)**	**7(9)**	**7(14)**
II. st.	Full-time study	99	99	15	-
	External study	13	12	1	1
	Total ES + ES	**112(108)**	**111(106)**	**16(9)**	**1(2)**

Note: Figures in brackets are from the previous year.

State examinations for the Faculty of Science in the academic year 2021/2022 were held according to Annex 2 of the Study Regulations of the Faculty of Science, namely the state examination - defence of the final thesis and the state examination in the field of knowledge of the field of study.

The guarantors of the SP have prepared new questions for the colloquial exam for each thematic unit.

In the academic year 2021/2022, the students took the state examinations of the first level of studies on the following dates:

20.06.2022-24.06.2022 in disciplines and programmes:

- full-time study (94 students)

Wood Sciences and Technology - Creation and construction of furniture (8) - Wood Sciences and Technology supported by information technology (1), - Timber and Wood Structures (16),
Safety and Security Sciences - Fire Protection and Security (33),
Economics and Management - Economics and Business Management DSP (24),
Art - Furniture and Interior Design (12),

- external study (41 students)

Wood Sciences and Technology - Furniture making and construction (5), - Furniture making and construction in Volyn (3), - Timber and Wood Structures (3), Timber and Wood Structures in Volyně (16)
Safety and Security Sciences - Fire Protection and Safety (8), Economics and Management - Economics and Management of Wood Processing Industries (6)

22.08.2022-26.08.2022 in disciplines and programmes:

- full-time study (22 students)

Wood Sciences and Technology -Creation and construction of furniture (2), - Timber and Wood Structures (11)
Economics and Management - Economics and Business Management DSP (3),
Art - Furniture and Interior Design (2),
Safety and Security Sciences - Fire Protection and Security (4),

- external study (6 students)

Wood Sciences and Technology - Creation and construction of furniture (1), - Timber and Wood Structures (5),

In the academic year 2021/2022, students took the state examinations of the second cycle of studies on the following dates:

06.06.2022-10.06.2022 in the field and program:

- full-time study (98 students)

Wood Sciences and Technology - Creation and construction of furniture (7) - Wood engineering (3), - Timber and Wood Structures (14),
Safety and Security Sciences - Fire Protection and Security (39),
Economics and Management - Economics and Business Management DSP (29),
Art - Furniture and Interior Design (6),

- external study (13 students)

Economics and Management - Economics and Business Management DSP (1),
Safety and Security Sciences - Fire Protection and Security (9),
Wood Sciences and Technology - Timber and Wood Structures (3),

22.08.2022-26.08.2022 in the field and program:

- full-time study (6 students)

Wood Sciences and Technology - Timber and Wood Structures (4)
Safety and Security Sciences - Fire Protection and Security (1),
Economics and management - Economics and Business Management DSP (1),

- external study (1 student)

Safety and Security Sciences - Fire Protection and Security (1).

In the first term, 23 committees worked on the state examinations and thesis defences of engineering/master's programmes. In the first term, 31 commissions worked in the state examinations and defences of bachelor theses, in the second term, 8 commissions worked together in the state examinations and defences of bachelor and master theses.

The evaluation of the state examinations - thesis defences by the chairs of the state examination committees showed that the level of presentations was at a sufficient level, as well as the answers to the questions. The quality of the diploma theses was at the required level, the students' own contribution was mainly appreciated. A certain problem is the possibility of obtaining data for the thesis from practice, especially for students dealing with issues in the economic field. The certificate of the originality of the thesis was taken into account in the thesis defences in accordance with the Higher Education Act. The certificate is a compulsory document for defences and is of a recommendatory nature.

State Examination Boards Bc. studies stated that most of the bachelor theses were processed in the form of literature review. In some cases there were problems with incorrect citation of literature, or a small number or only from domestic literary sources.

The overall assessment was positive. They recommend to increase the proportion of own contribution in bachelor theses.

The results of the state examination from the thematic units mostly corresponded with the results during the study and with the overall attitude of the student.

Overview of unsuccessful students by study programmes:

B_DS - 4 students full-time, 2 students part-time

B_POB - 1 student external form

I_POB - 1 student external form

Overall, it can be assessed that the level of students' knowledge has deteriorated compared to last year. This is due to the quality of the students admitted and the knowledge acquired during their previous studies at secondary school and the students' lack of interest in studying and finding intrinsic motivation to perform well and, to some extent, to the more difficult conditions for preparation during the COVID_19 pandemic.

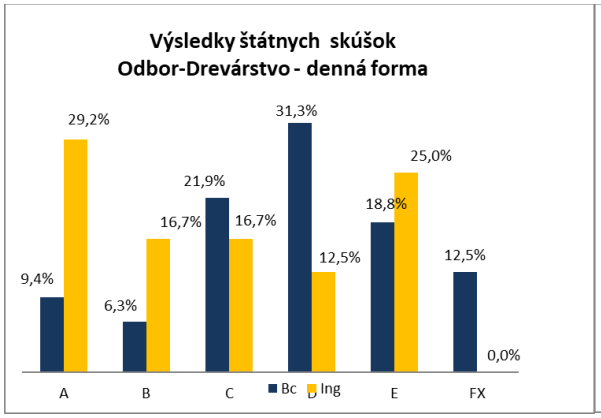
Due to the emergency measures caused by the COVID_19 pandemic and the online teaching part of the winter semester, access to conduct the required experiments needed to complete the ToR was hampered. For some students, the topics of the ZP were modified, changed. We thank the ZP leaders for their successful completion, as well as the technical staff for their cooperation in the implementation of the experiments.

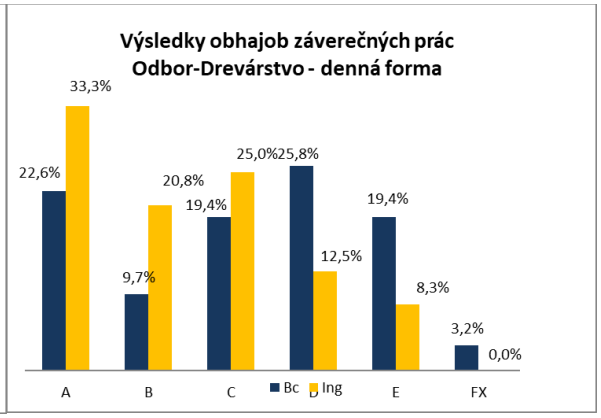
The conduct of the national examinations was partly affected by the situation of COVID_19. The commissions had to comply with increased hygiene standards, which extended the duration of the national examinations and necessitated the need for more commissions. On the positive side, however, the course of the CS was conducted in a face-to-face, i.e. contact, manner.

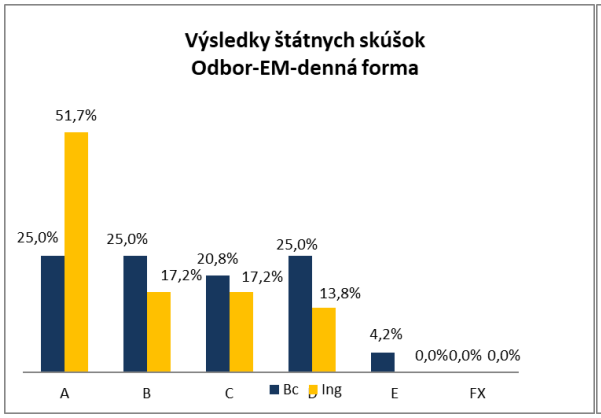
The attached charts show the average score of the results of state examinations and final theses by field of study - for full-time study. Compared to last year, the results of the state examinations in all disciplines are comparable but not satisfactory.

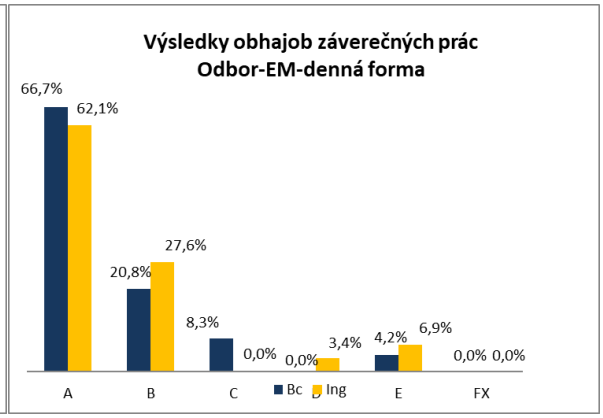
The members of the commissions made thorough and detailed records of the state examinations and the commissions took care to comply with the Study Regulations of the Faculty of Wood Sciences and Technology.

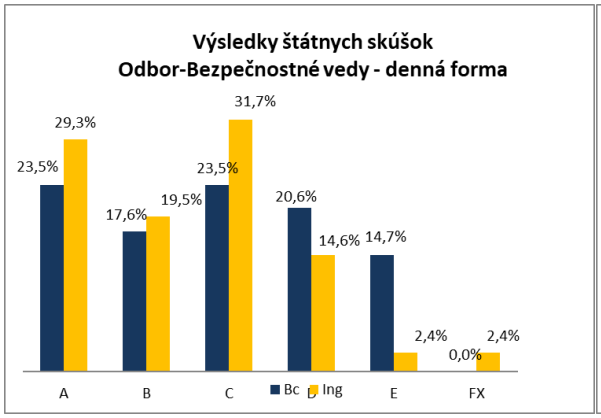
Evaluation of state examination results

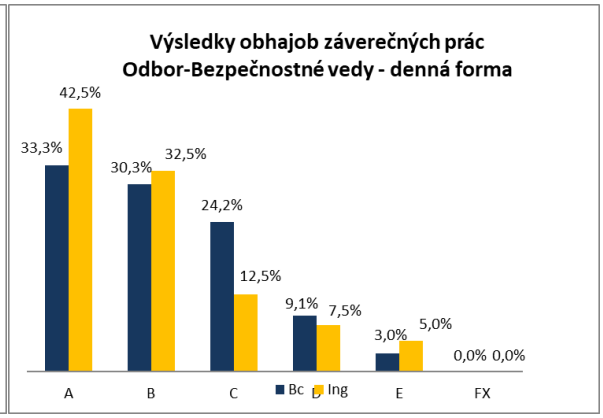


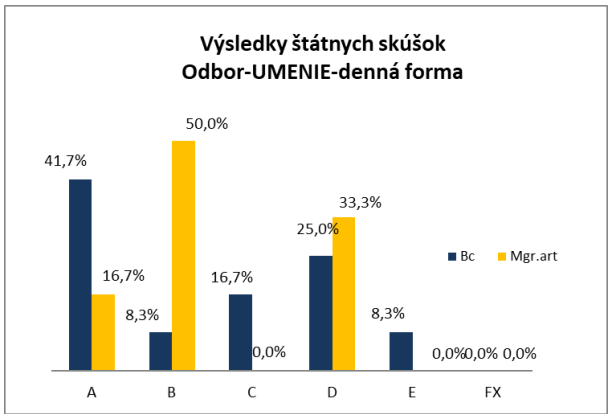












II. 6. EVALUATION OF THE ADMISSION PROCEDURE

The admission procedure for the academic year 2022/2023 was announced for study programmes that were included in the process of alignment of the SP with the standards of the Slovak Accreditation Agency for Higher Education. Admission examinations for full-time studies in the first cycle in the Furniture and Interior Design (Art) programme were held on 8 and 9 February 2022 by means of a talent examination, a test in fine arts, architecture and design and a test of technical creativity - exclusively online.

On 29 June 2022, the evaluation of the portfolio of the enrolled students and a personal interview of the candidates with the evaluation committee was carried out in the second stage of the School of Furniture and Interior Design, which subsequently established the ranking of the candidates.

Without entrance examinations, on the basis of the evaluation of the results from secondary school, students were admitted to full-time and part-time studies in other programmes of the first cycle. Without entrance examinations, on the basis of an assessment of the affinity of the field and programme of the completed first cycle studies and an evaluation of the average of the results achieved during the bachelor's studies and the result of the state examination and the defence of the bachelor's thesis, students were admitted to full-time and part-time studies in other second cycle programmes.

An overview of the projected enrolment numbers by study programme, enrolled, participating, admitted and enrolled students is given in Table 1. 80.8% (previous year: 79%; 66.3%) of the planned number of admissions were enrolled in full-time study programmes accredited at the Faculty of Wood Sciences and Technology (previous year: 79%; 66.3%). However, despite the market conditions for high school graduates, this situation does not change significantly.

In the full-time form of the first degree, the greatest interest in studying was in the programmes Furniture and Interior Design (the ratio of enrolled and admitted students was 1.71 (1.43; 1.66 last year), Fire Protection and Safety 1.09 (1.05; 1.2 last year). Compared to the previous year, interest is down 5%. The number of students enrolled in the full-time form of the second cycle of studies was similar to the number of graduates of the first cycle of studies.

In the external form, despite charging for studies and the extension of the standard length of study by one year, interest is stable. The planned numbers of students enrolled in the external form of the first and second cycle of studies were fulfilled at 51.7% (previous year: 48.7%; 54.7%). However, the maintenance of the number of students enrolled from previous years can be evaluated positively.

The number of full-time students enrolled was 118 (31%) lower than the number of students admitted (last year 30%; 21.7%), which is consistent with the trend of previous years, probably due to concurrent admissions to other universities and the entry of prospective students into employment this year. The number of students enrolled in the external form of study was 38 (26%) lower than the number of students admitted. In total, 370 students (396; 441, previous year) out of a total of 526 students admitted enrolled at the Faculty of Wood Sciences and Technology in the academic year 2022/2023, which is 70.3% (72.6%; 79%, previous year) of the total number of students admitted.

Despite the fact that admitted students have to confirm their interest in studying at the Faculty of Wood Sciences and Technology by return, in many cases this does not happen and ultimately the exact number of students enrolled for the academic year is only known after the student's physical enrolment. In this academic year, enrolments took place on two dates (July and September) due to the pre-enrolment of students at other universities and were also affected by the pandemic emergency, but were conducted in a contact manner.

In conclusion, the admissions process can be assessed **as positive on the whole,** despite the decline in enrolments. The **decrease is 26 (6.5%) students.** There is a decrease of 4.7% (9 students) in the full-time first degree, but this negative phenomenon has been compensated by the enrolment of a higher number of external students than last year by 5 students. The largest decrease in enrolled students is in the SP in Woodworking - a decrease of 49%, which is a very bad signal. However, the increase in the number of students enrolled in the MSc Business Economics and Management in DSP from 38 to 58 students can be viewed positively.

The reason for the lack of interest of students in the first cycle of studies in enrolment (telephone contacting of prospective students) was mainly due to the entry into employment. The decrease in enrolment of students in the second cycle of studies was 16.2%. Also in this case, the two years of COVID-19 measures and the smaller number of graduates in the first cycle of studies, who in most cases go on to the second cycle of studies, were reflected.

Tab. 5.1 Entrance examinations at the Faculty of Wood Sciences and Technology for acad. Year 2022/23

Study field/programme	Plan for adoption	Logged in	Attendees	Accepted	Enrolled
Full-time study					
Level I					
Study field: Wood Sciences and Technology					
Wood processing with IT support	20	1		1	0(4)
Timber and Wood Structures	50	37		37	22(34)
Creation and construction of furniture	30	20		20	8(21)
Total field**: Wood Sciences and Technology**	**100**	**58**		**58**	**30(59)**
Study Field: ECONOMICS AND MANAGEMENT					
Economics and Business Management DSP	**60**	**84**		**84**	**58(38)**
Study Field: SAFETY AND SECURITY SCIENCES					
Fire protection and safety	**100**	**109**		**109**	**60(62)**
Study Field: ART					
Furniture and interior design	**35**	**60**	**59**	**41**	**33(31)**
Total full-time study I. degree	***295***	***311(318)***	***59***	***292(302)***	***181(190)***
Level II					
Study field: Wood Sciences and Technology					

Wood Engineering	20	0		0	0(2)
Timber and Wood Structures	30	17		17	17(21)
Creation and construction of furniture	20	10		10	10(5)
Production and Utilisation of Wood Products (taught in English)	10	0		0	0
Total field: Wood Sciences and Technology	**80**	**27**		**27**	**27(28)**
Study Field: ECONOMICS AND MANAGEMENT					
Economics and Business Management DSP	**50**	**26**		**26**	**25(19)**
Study Field: SAFETY AND SECURITY SCIENCES					
Fire protection and safety	**60**	**30**		**30**	**26(39)**
Study Field: ART					
Furniture and interior design	**15**	**10**	**9**	**7**	**5(10)**
Total full-time study II. degree	***205***	***93(109)***	***9***	***90(105)***	***83(96)***
Total full-time study	**500**	**404(427)**	**68**	**382(407)**	**264(286)**

continued from tab. 5.1

Study field/programme	Plan for adoption	Logged in	Attendees	Accepted	Enrolled
External study					
Level I					
Study Field: WOOD SCIENCES AND TECHNOLOGY					
Wood Sciences and Technology with IT support	10	5		5	2
Timber and Wood Structures	35	27		27	24(15)
Creation and construction of furniture	35	22		22	18(12)
Total Study Field of Wood Sciences and Technology	**80**	**54**		**54**	**44 (45)**
Study Field: ECONOMY AND MANAGEMENT					
Economics and Business Management DSP	**30**	**16**		**16**	**12(11)**
Specialisation: SAFETY AND SECURITY SCIENCES					
Fire protection and safety	**30**	**27**		**27**	**20(15)**
Total external study I. degree	***140***	***97(94)***		***97(93)***	***76(71)***
Level II					
Study Field: WOOD SCIENCES AND TECHNOLOGY					
Wood Engineering	10	0		0	0
Creation and construction of furniture	10	4		4	4(4)
Timber and Wood Structures	10	8		8	8(4)
Total Wood Sciences and Technology	**30**	**12**		**12**	**12(8)**
Study Field: ECONOMY AND MANAGEMENT					
Economics and Business Management DSP	**15**	**7**		**7**	**7(11)**
Specialisation: SAFETY AND SECURITY SCIENCES					
Fire protection and safety	**20**	**16**		**14**	**11(22)**
Total external study II. degree	***65***	***35(47)***		***47(45)***	***30(41)***

Total external study	**205**	**132(141)**		**144(138)**	**106(112)**
Full-time and part-time study together					
Level I	**435**	**408(412)**	**59(38)**	**389(395)**	**257(261)**
Level II	**270**	**128(156)**	**9(13)**	**137(150)**	**113(135)**
DF	**705**	**536(568)**	**68(51)**	**526(545)**	**370(396)**

Note: Figures in brackets are from the previous year.

Tab. 5.2 Indicators of entry into education

Number of applicants for study in the relevant academic year with citizenship other than Slovak	
Admission procedure year 2021/22	**Admission procedure year 2022/23**
35/568	58/536

Proportion of students admitted from other universities in 2nd and 3rd cycle of education		
	Year 2021/22	**Year 2022/23**
Level II	25/150	14/123
Level III	2/11	1/5

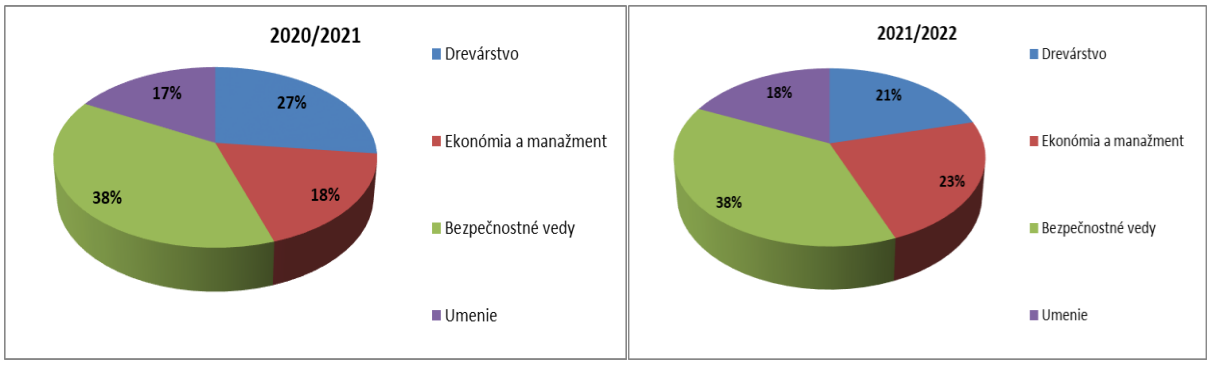
The results and trends of the educational entry indicators indicate a match between the supply of and interest in studying the college's study programmes.

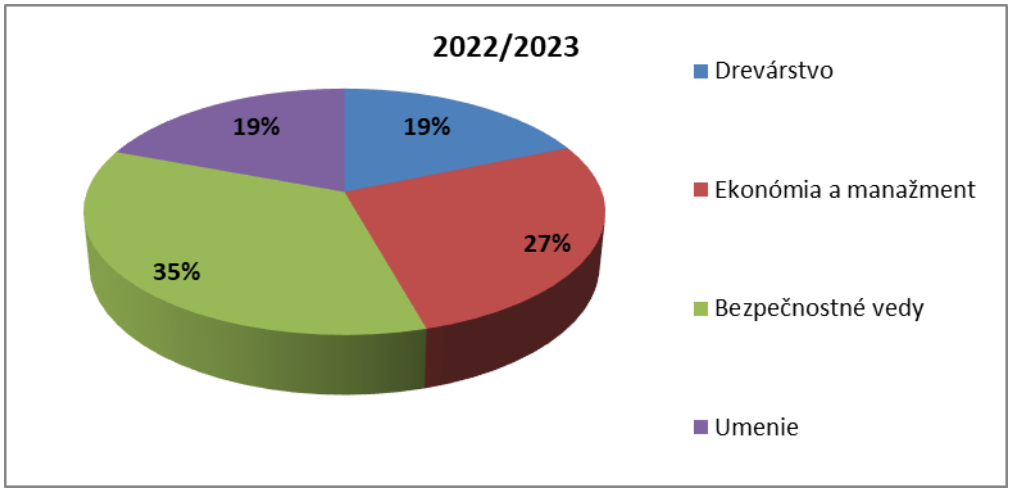
As part of the process of aligning the SP with the standards of the Slovak Accreditation Agency for Higher Education, study programmes were cancelled as of 1.9.2022:
Bachelor's degree:
Family business in the wood and furniture industry
Timber and Wood Structures - Volyně
Design and construction of furniture - Volyně
Students from the cancelled SP in Volyn, after their written consent, were transferred to the same SP implemented in Zvolen.

Engineering SP:
Management of woodworking and furniture production
Production and Utilisation of Wood Products - provided in English

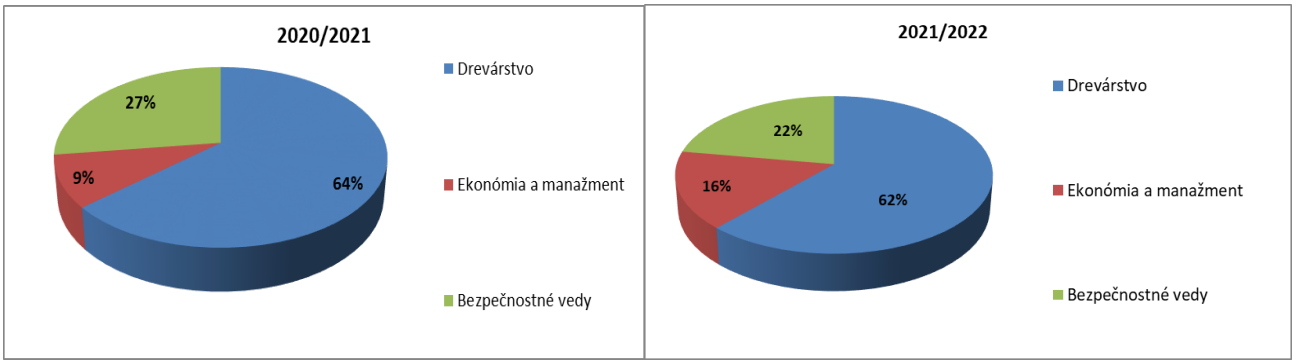
Total interest of all registered students in studying at the Faculty of Wood Sciences and Technology in the first cycle according to the enrolment in the field of study.

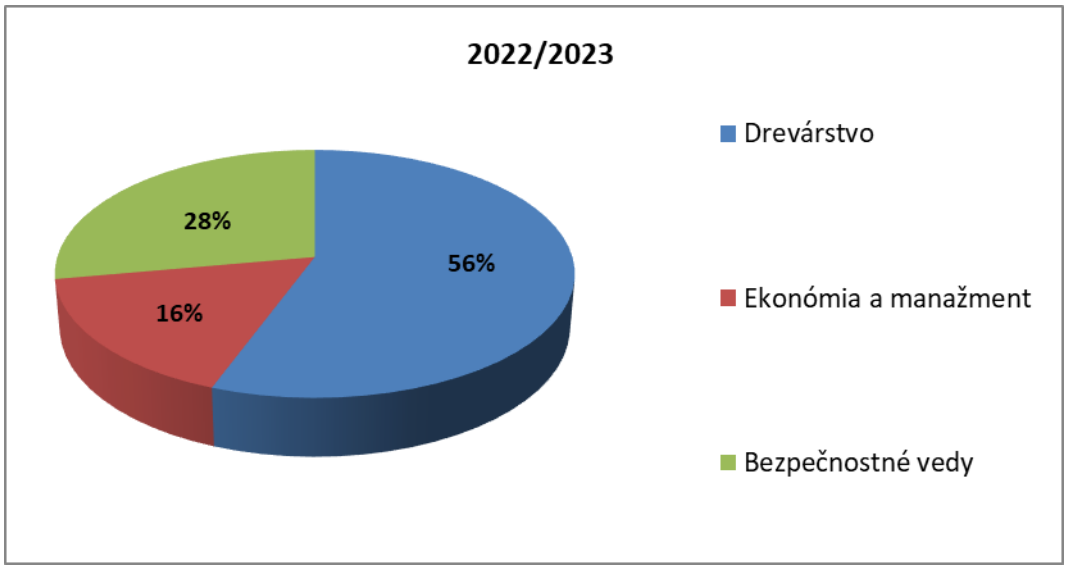
I. degree full-time study





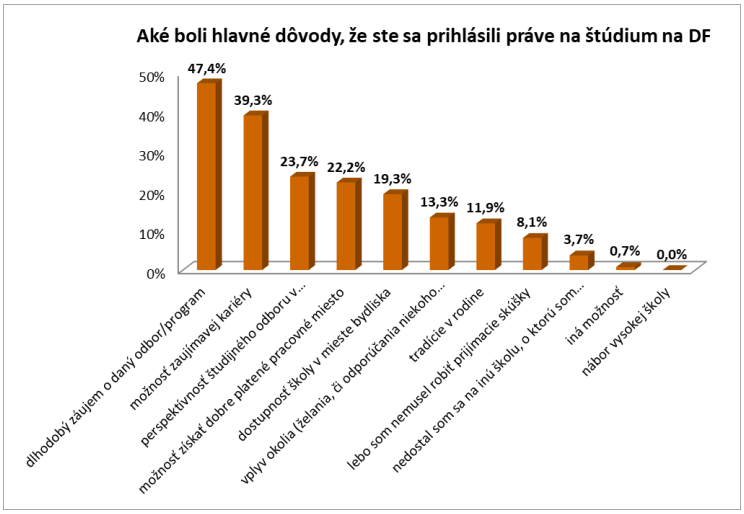
I. degree external study



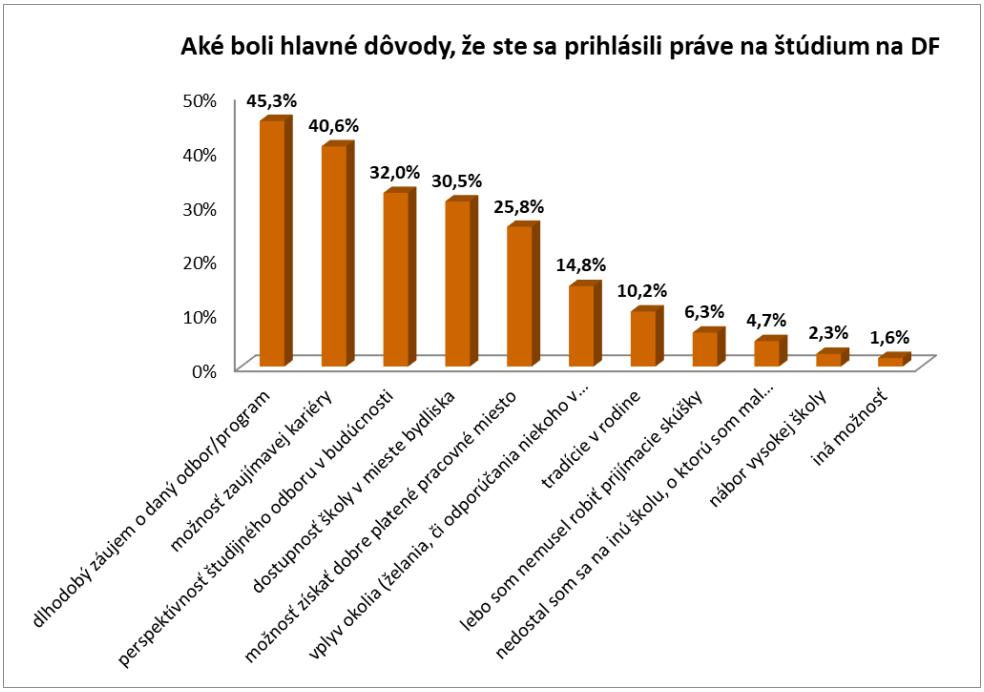


In the following section, the results of the questionnaire filled in by first year students of the first cycle of studies when enrolling for studies are processed. A total of 128 respondents answered the questionnaire. From the individual responses it is possible to ask questions and formulate answers on where to direct e.g. the marketing activities of the faculty in order to increase interest in studies.

Year 2021

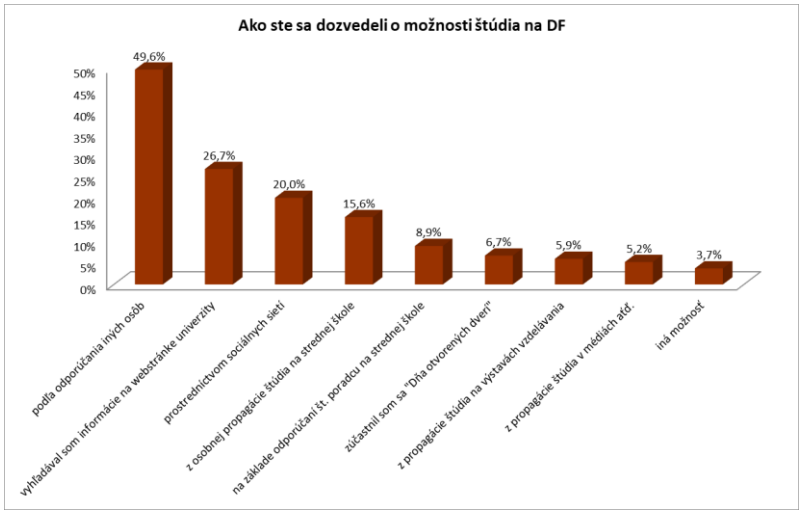


Year 2022

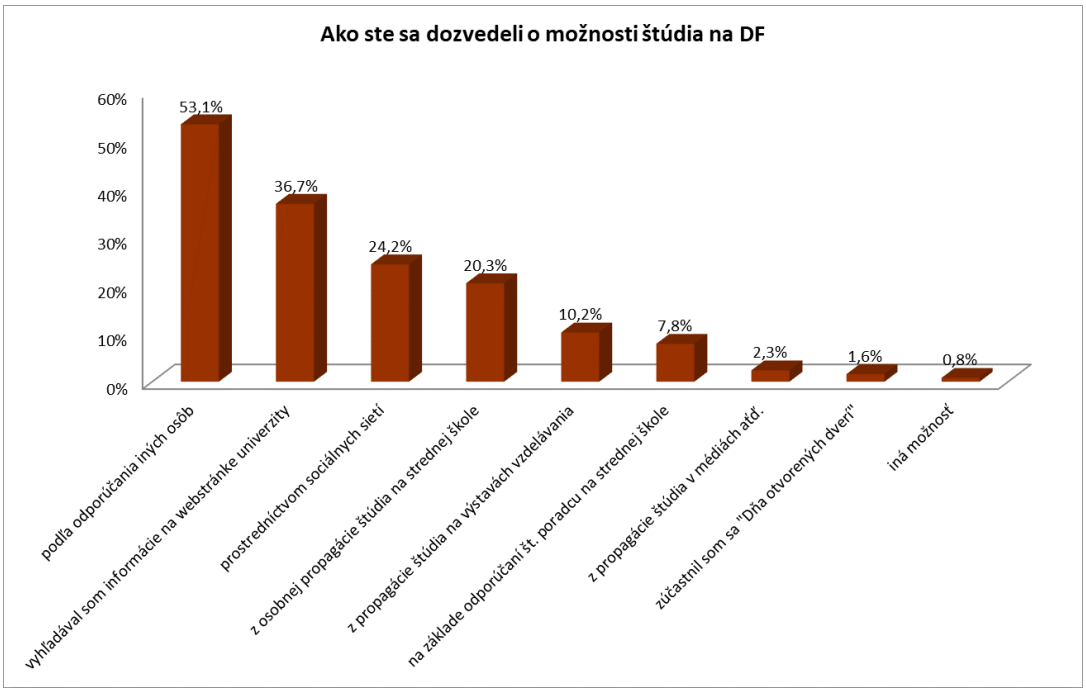


The answer "the possibility of an interesting career and a long-term interest in the field" are good signals for the DF in the future perspective of those interested in studying it. Reason - Availability of the school in the place of residence increased by more than 11% compared to the previous year. The need to increase targeted marketing in the vicinity of Zvolen is therefore justified.

Year 2021



Year 2022

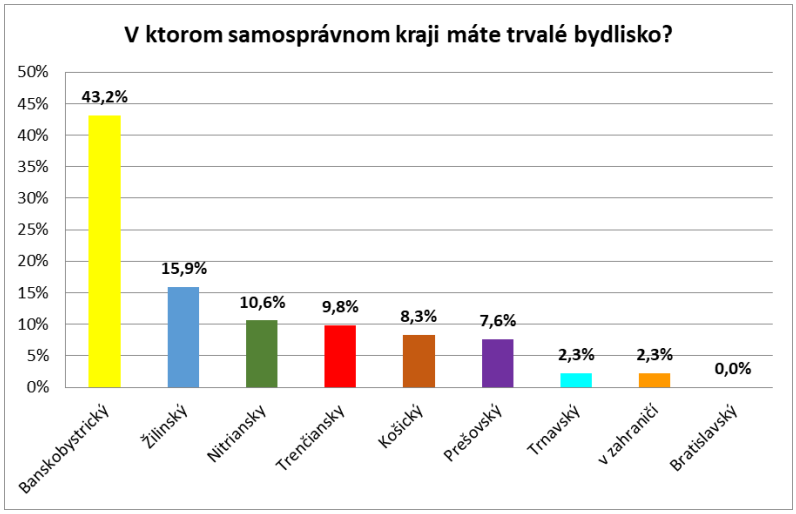


A very important factor influencing a potential candidate's decision is a recommendation from another person and therefore only a positive experience in the DF environment. Any negative mention has the effect of making the candidate unsure and looking for an alternative.

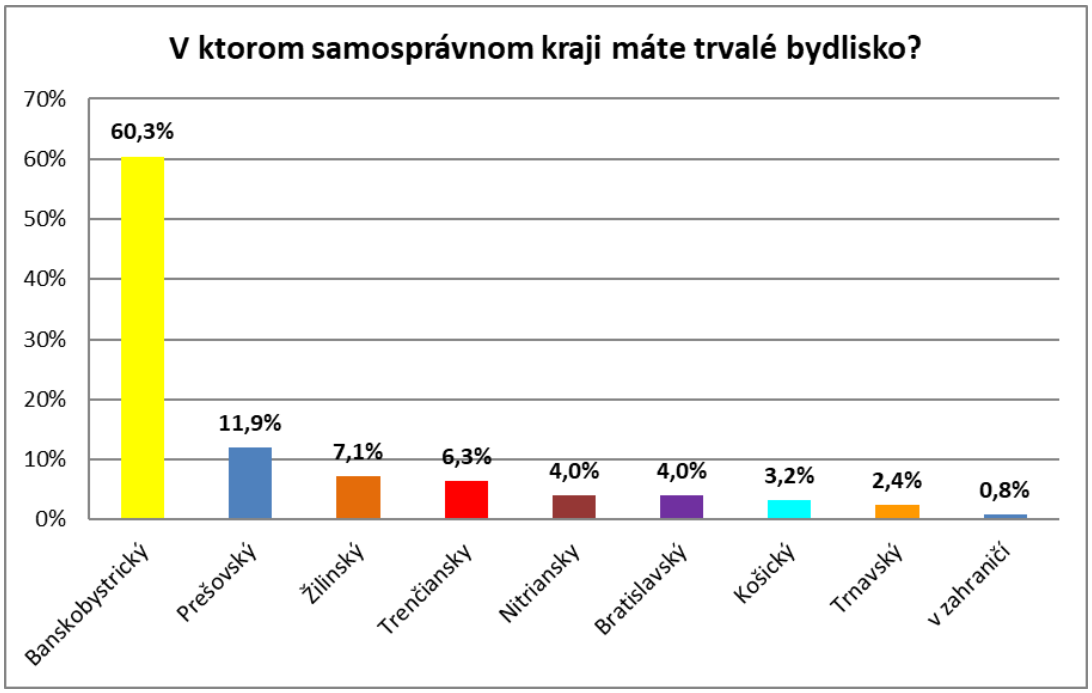
The content of the DF website and the promotion on social networks, where the interest in this type of information is growing every year, needs constant attention.

The years 2022 and 2021 were specific in the absence of promotional exhibitions and open days due to the COVID-19 pandemic. The entire promotion of the DF was transferred only to the online space - various virtual open days implemented by external companies and a significant increase in interest in social networks, as seen in the increase in the % of interest in this medium. This aspect of promotion needs to be strengthened again this year to the maximum possible level.

Year 2021



Year 2022



In 2022, the share of students from the BB region increased by up to 17%. This trend has been increasing significantly in recent years. We can assume that the main reason is e.g. the finances needed to study. Nevertheless, marketing activities need to be directed also to the rest of the country with the presentation of TUZVO as a green university and a family-type university (all in one place).

II. 7. STUDENT NUMBERS AND EDUCATIONAL ACTIVITIES IN STUDY PROGRAMMES III. GRADE

Six study programmes in four fields of study were accredited at the Faculty of Wood Sciences and Technology in the third cycle of study in the academic year 2021/2022:

- in the field of Woodworking study programme Wood Processing Technology, Structure and Properties of Wood and study programme Design and Processes of Wood Products Production,
- in the field of Safety and Security Sciences study programme Fire Protection and Security,
- in the field of Art study programme Furniture and Housing Design.

The admission procedure takes the form of a written test in a foreign language and a personal interview before an admissions committee composed of members of the relevant Degree III Study Committee.

Doctoral studies at the Faculty of Science and Arts are governed by disciplinary committees in 6 fields of doctoral studies, whose members have been approved by the Scientific and Artistic Council of the Faculty of Wood Sciences and Technology. According to the current regulations, full-time study lasts 3 years, part-time study 4 years and 5 years in catch-up study programmes. After a successful defence, the graduate of the study receives the academic degree "PhD." (philosophiae doctor) or "ArtD. (artis doctor).

An overview of the number of students by year is given in Table 6.1, and an overview of the number of students by discipline and programme is given in Table 6.2.

Table 6.1 Overview of the number of students in the third cycle of study by year and form of study in the academic year 2021/2022 (as of 31 October 2021)

Vintage	Form of study		Number of students	
	Daily	External	Together	of which foreign
1st year	7	4	11	0
2nd year	6	4	10	0
3rd year	7	0	7	1
4th year	0	3	3	0
5th year	0	2	2	0
Total	**20** (20**)**	**13** (15**)**	**33** (35)	**1** (0)

Note: Figures in brackets are from the previous year.

Table 6.2 Overview of the number of students in the third cycle of studies by fields and programmes in the academic year 2021/2022 (as of 31.10.2021)

Study programme	Number of students (form of study)						
	Total	Total		of which Newcomers		of which Foreign	
		Daily	External	Daily	External	Daily	External
Wood processing technology	3	3	0	1	0	0	0
Wood processing technology – ending progr.	1	0	1	0	0	0	0
Structure and properties of wood	2	1	1	0	0	0	0
DV design and manufacturing processes	11	7	4	4	2	0	0
DV design and manufacturing processes - – ending progr.	1	0	1	0	0	0	0
Fire protection and safety	7	3	4	1	1	0	0
Furniture and housing design	8	6	2	1	1	1	0
TOTAL	**33**(35)	**20**(21)	**13**(9)	**7**	**4**	1 (0)	**0** (0)
				11 (10)			

Note: Figures in brackets are from the previous year.

Doctoral student numbers have stabilised. The number of students enrolled in 2021/2022 is shown in Table 6.4. An overview of the number of graduates is given in Table 6.3.

Table 6.3 Overview of the number of graduates of level III in the academic year 2021/2022 (as of 31 August 2022)

Study programme	Number of graduates		
	daily form	external form	Total
Wood processing technology	1	1	2
Structure and properties of wood	0	0	0
DV design and manufacturing processes	1	2	3
Fire protection and safety	0	2	2
Furniture and housing design	3	0	3

TOTAL	**5**(6)	**5** (1)	**10** (7)

Note: The figure in brackets is from the previous year.

Table 6.4 Overview of the number of enrolled Level III students in the academic year 2022/2023 (all/new entrants)

Field of Study/Programme	Number of students	
	Daily	External
Safety and Security Sciences/Fire Protection and Safety	4/1	1/0
Wood Technology/Wood Processing Technology	9/2	4/1
Art/Furniture and Housing Design	3/1	2/0
[1] Economics and Management/Economics and management of the forestry-logging complex	8/1	2/1
Total	**24/5**	**9/2**

Note: all/new entrants

[1] A study programme implemented by the university. Out of ten students, 6 students have a dissertation supervisor from the DF staff.

As part of the process of aligning the SP with the standards of the Slovak Accreditation Agency for Higher Education, the following third-level study programmes were abolished as of 1.9.2022:

Structure and properties of wood in Slovak and English

Designs and processes of wood products manufacturing.

Students from the cancelled SP, after their written consent, were transferred to the SP Wood Processing Technology.

In addition to professors and associate professors of the Faculty of Wood Sciences and Technology, the teaching of subjects in the third level of study is also provided by professors and associate professors of the Faculty of Wood Sciences and Technology, FEE, FT and the staff of the Institute of Woodworking. Professors and associate professors of the Faculty of Wood Sciences and Technology supervise and ensure the teaching of Level III subjects at the Faculty of Wood Sciences and Technology and FEE. Hours for consultation and examination have been added to the actual teaching hours of the teachers in the academic year 2021/2022, according to the current unified calculations at TU.

In the academic year 2021/2022, 6 doctoral students passed the dissertation examination: Ing. Michal Bélik, Ing. Marek Hodálik, Ing. Elena Kmet'ová, Ing. Viktória Satinová, Mgr. Ing. Patrik Štompf.

In the academic year 2021/2022, 10 doctoral students defended their doctoral theses in individual doctoral study programmes:

Designs and processes for the manufacture of wood products

1. **Ing. Ján Kalafús, PhD.**: Green logistics in the context of sustainability of wood processing enterprises
   Supervisor: prof. Ing. Prof. Mariana Sedliačiková, PhD.
2. **Mgr. Katarína Tuhárska, PhD.**: Resonance properties of spruce and maple wood and their influence on the tonal quality of wooden organ pipes
   Supervisor: doc. RNDr. Anna Danihelová, PhD.
3. **Ing. Rozália Vaňová, PhD.**: Life cycle analysis of environmental impacts for selected wood-based building systems
   Supervisor: prof. Ing. Prof. Jozef Štefko, CSc.

Fire protection and safety

4. **RNDr. Radovan Hilbert, PhD.**: Application of digital image analysis as a decision support tool in forest fire prevention
   Supervisor: doc. Ing. Ivan Kubovský, PhD.
5. **PaedDr. Patrik Tischler, PhD. MBA**: Computer modeling of selected parameters of fire dynamics in fire protection practice
   Supervisor: doc. Ing. Andrea Majlingová, PhD.

Wood processing technology

6. **Ing. Dávid Ciglian, PhD.**: Technological conditions for the production of lamellar beams using recycled spruce wood and PUR glue
   Supervisor: prof. Ing. Prof. Ladislav Reinprecht, CSc.
7. **Ing. Monika Žofková, PhD.:** Optimization of the logistics system in the production process of selected wood products (sawmill, building and joinery, furniture products)
   Supervisor: doc. Ing. Josef Drábek, CSc.

Furniture and housing design

8. **Mgr. art. Miroslava Hrnčíř, ArtD.**: Specification of a design furniture solitaire as a probe of authentic visual style
   Supervisor: doc. Mgr. Mgr. art. Marián Ihring, ArtD.
9. **Mgr. Karolína Štefániková, ArtD.**: Furniture - Design - Man
   Supervisor: doc. Prof. akad. Sculptor. René Baďura
10. **Mgr. Matej Záborský, ArtD.**: Furniture - Design - Man
    Supervisor: doc. Prof. akad. Sculptor. René Baďura

II. 8. TEACHERS' TEACHING LOAD

In determining the subsidy for the implementation of accredited study programmes, the number of students, the number of graduates, the economic difficulty of the study programmes, the integration of the university, the applicability of graduates in practice, quality and other aspects related to the provision of teaching are decisive. Similarly, at TU Zvolen, the teaching performance of the faculties is calculated in a similar way, while the relationship for the calculation of the teaching performance of the faculties also takes into account the inter-counting of teaching between the faculties.

Table 7.1 Structure of DF staff by job classification as of 30.6.2022

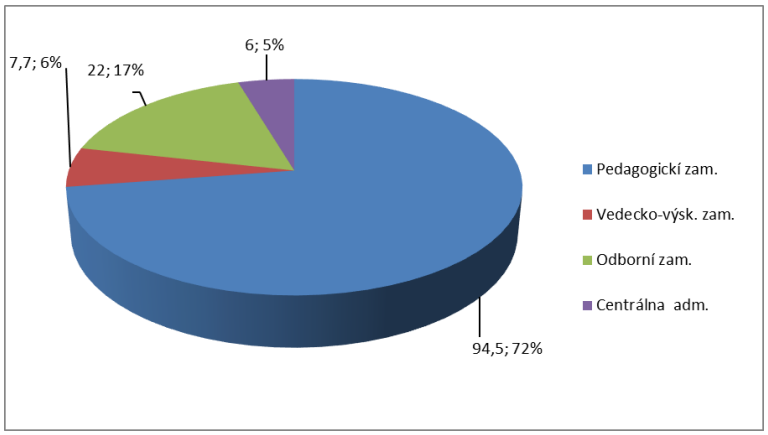
Workplace	Pedagogical Full-time	Science-full-time research	Professional employees.	Central Administration	DF
Dean's Office DF	-	-	-	4	4
KDNI	11,9	1	2	-	14,9
KDS	6	-	1		7
KFEAM	6	1*	0,4	-	6,4+1*
KCHCHT	5	-	4,6	-	9,6
KMDG	8	-	0,4	-	8,4
KMOSL	9,6	-	1	-	10,6
KDT	6	-	4	-	10
KND	4	1,8+2*	0,6	-	6,4+2*
KNDV	6	1	1,4	-	8,4
CODE	4	2+1*	0	-	6+1*
KEMP	14	0,95	1	-	15,95

KPO	10,5	5*	3	-	13,5+5*
Total	**91**	**6,75+9***	**19,4**	**4**	**121,15+9***

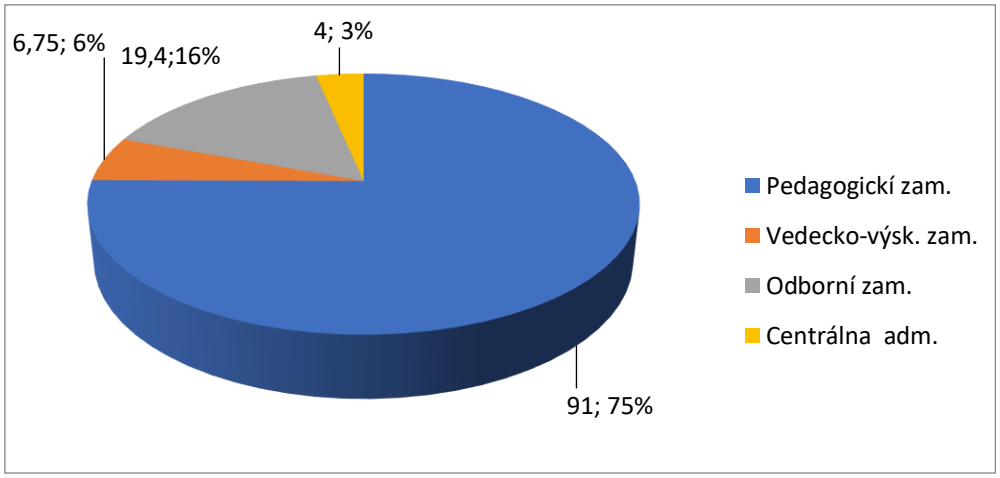
* 100% project funding

Structure of DF staff according to their classification

Year 2021



Year 2022



The funding of universities from the budget is approximately 50:50 for performance in pedagogy and research, given the distribution of the performance subsidy. According to the overview of performance, it is clear that teaching staff contribute not only to the teaching performance of the faculty but also to a significant extent to the performance in research activities. Similarly, research and professional staff also contribute to teaching performance.

In the following section we will discuss the departmental loadings according to the calculation of direct and indirect converted teaching. The number of working days per year is about 250, the working time of a teaching staff member is 7.5 hours per day. This adds up to approx. 1 950 hours per year, including holidays. The net working time is approx. 1550 hours. The working time of a teaching staff member at a university should be divided, as already stated, in the ratio of approximately 50% of the working time for teaching and 50% of the working time for science and research.

The tables show the teaching load of the teachers of the Faculty of Wood Sciences and Technology in the individual departments in the academic years 2020/2021 and 2021/2022 in terms of direct teaching, indirect teaching (thesis supervision) and total teaching in hours.

Tables 7.2 and 7.3 summarise the so-called score evaluations that were obtained from the UIS. The data are based on timetable actions, so it is very important that the person responsible for the course (the course leader) assigns lecturers to timetable actions for lectures and tutorials or seminars. If this condition is not observed, the evaluation points will not be calculated correctly. The teaching load of the department is the value of the teaching staff only. Teaching hours in 2021/2022 are reported in total for the whole department, with teaching hours for PhD students, external students and staff whose employment has ended at the Faculty of Wood Sciences and Technology. Department Heads have a detailed description of each member of staff in the department.

Table 7.2 Teaching of the departments of the Faculty of Wood Sciences and Technology in the academic year 2021/2022 (UIS evaluation scores used)

Department	Full-time	Teaching calculated in total h	Final thesis total h	Total h	Average per 1	% of total
KDNI*	13,5	40 647,61	1 680	**42 327,61**	**3 135,38**	36,27
KPO	11,5	10 367,91	4 260	**14 627,91**	**1 271,99**	12,53
KDS	7	52 95,27	2 280	**7 575,27**	**1 082,18**	6,49
CODE	4	3 781,60	210	**3 991,60**	**997,90**	3,42
KMOS	9,5	6 388,59	2 790	**9 178,59**	**966,17**	7,86
KCHCHT	5	3 919,52	780	**4 699,52**	**939,90**	4,03
KFEAM	6	5 158,10	450	**5 608,10**	**934,68**	4,80
KND	4	3 093,00	420	**3 513,00**	**878,25**	3,01
KEMP	13	8 673,00	2 550	**11 223,00**	**863,31**	9,62
KMDG	8	5 812,50	150	**5 962,50**	**745,31**	5,11
KDT	6	3 166,50	630	**3 796,50**	**632,75**	3,25
KNDV	7	3 790,60	420	**4 210,60**	**601,51**	3,61
DF	94,50	100 094,20	16 620,00	**116 714,20**	**1 235,07**	100,00

*The higher number of hours in the Department of Furniture and Interior Design reflects the need to involve more staff for teaching studios. Studio is subsidized by 10 hrs and a factor of 3 and is counted at 100% for each staff member.

Table 7.3 Teaching of the departments of the Faculty of Wood Sciences and Technology in the academic year 2021/2022 (UIS evaluation scores used)

Department	Full-time	Teaching calculated in total h	Final thesis total h	Total h	Average per 1	% of total
KDNI	11,9	34 785,65	1 110	**35 895,65**	**3 016,44**	32,19
KDS	6	5 602,14	2 610	**8 212,14**	**1 368,69**	7,36
KPO	10,5	9 948,90	4 150	**14 098,90**	**1 342,75**	12,64
KFEAM	6	5 523,92	420	**5 943,92**	**990,65**	5,33
KMOSL	9,6	6 964,00	2 130	**9 094,00**	**947,29**	8,16
KND	4	3 148,00	480	**36 28,00**	**907,00**	3,25
CODE	4	3 429,52	150	**3 579,52**	**894,88**	3,21
KCHCHT	5	3 521,32	810	**4 331,32**	**866,26**	3,88
KEMP	14	9 066,79	2 850	**11 916,79**	**851,20**	10,69
KNDV	6	4 065,48	900	**4 965,48**	**827,58**	4,45

KMDG	8	6 069,00	270	**6 339,00**	**792,38**	5,68
KDT	6	2 815,50	690	**3 505,50**	**584,25**	3,14
DF	91,00	94 940,22	16 570,00	**111 510,22**	**1 225,39**	100,00

*The higher number of hours in the Department of Furniture and Interior Design reflects the need to involve more staff for teaching studios. Studio is subsidized by 10 hrs and a factor of 3 and is counted at 100% for each staff member.

The average teaching load of the teachers of the Faculty is high in the long term. A level of about 900 hours is considered optimal. The workload has decreased by about 4.5% compared to the previous year, reflecting the smaller number of students, open courses and groups.

One of the reasons for the high workload of teachers is the high number of courses in the implementation of the programmes of I. and II. degree. Over the last three years this is a decrease of about 18%. Increased attention needs to be paid to the number of PV courses opened and to streamline the number of courses and the course occupancy in the group, which is very difficult and even impossible due to the possibility of profiling the student, given the low number of students in the individual SPs. The teaching of these subjects constitutes a large part of the teaching at the DF. The teaching load of the teachers of the departments that provide teaching mainly in only one study programme (POB, KEMP, KDS, KMOSL) is even increased due to the high number of conducted and defended final theses of the programme. The students preferably choose the topic of the thesis from the teachers of this department.

Tab. 7.4 Number of final theses at DF

Workplace	BP	DP	DizP	Total
Faculty of Wood Sciences and Technology	**189 (152)**	**128 (119)**	**18 (13)**	**335 (284)**
Department of Mathematics and Descriptive Geometry (DF)	**1 (1)**	**1 (1)**	**-**	**2 (2)**
Hýrošová Tatiana, RNDr., PhD. (KMDG DF)	1 (1)	-	-	1 (1)
Schmidtová Jarmila, Mgr., PhD. (KMDG DF, ext FT)	-	1 (1)	-	1 (1)
Lizoňová Denisa, Ing., ArtD. (KMDG DF)	2 (1)	2 (2)	-	4 (3)
Department of Chemistry and Chemical Technology (DF)	**9 (7)**	**7 (7)**	**-**	**16 (14)**
Bubeníková Tatiana, Ing., PhD. (KCHCHT DF)	1 (0)	2 (2)	-	3 (2)
Čabalová Iveta, doc. Ing., PhD. (KCHCHT DF)	2 (2)	1 (1)	-	3 (3)
Kučerová Viera, Mgr., PhD. (KCHCHT DF)	2 (1)	3 (3)	-	5 (4)
Výbohová Eva, Ing., PhD. (KCHCHT DF)	4 (4)	1 (1)	-	5 (5)
Department of Wood Science (DF)	**2 (2)**	**3 (2)**	**-**	**5 (4)**
Kúdela Jozef, prof. Ing., CSc. (KND DF, EEEXO)	1 (1)	-	-	1 (1)
Lagaňa Rastislav, doc. Ing., PhD. et PhD. (KND DF)	-	2 (1)	-	2 (1)
Mamoňová Miroslava, doc. Ing., PhD. (KND DF)	1 (1)	1 (1)	-	2 (2)
Department of Physics, Electrical Engineering and Applied Mechanics (DF)	**1 (1)**	**4 (4)**	**2 (2)**	**7 (7)**
Danihelová Anna, doc. RNDr., PhD. (KFEAM DF)	-	-	1 (1)	1 (1)
Igaz Rastislav, Ing., PhD. (KFEAM DF)	1 (1)	-	-	1 (1)
Krišťák Ľuboš, doc. PaedDr., PhD. (KFEAM DF)	-	2 (2)	-	2 (2)
Kubovský Ivan, doc. Ing., PhD. (KFEAM DF)	-	2 (2)	1 (1)	3 (3)
Department of Mechanical Wood Technology (DF)	**-**	**-**	**1 (0)**	**1 (0)**
Réh Roman, prof. Ing., CSc. (KDT DF, ext FT)	-	-	1 (0)	1 (0)
Department of Furniture and Wood Products (DF)	**15 (10)**	**7 (6)**	**1 (0)**	**23 (16)**
Fekiač Jozef, Ing., PhD. (KNDV DF)	1 (1)	1 (1)	-	2 (2)
Gáborík Jozef, doc. Ing., CSc. (KNDV DF)	1 (1)	1 (0)	-	2 (1)
Jurek Andrej, Ing. (DF D-TSD den [interrupted])	2 (1)	-	-	2 (1)

Workplace	BP	DP	DizP	Total
Langová Nadezhda, doc. Ing., PhD. (KNDV DF)	3 (2)	2 (2)	1 (0)	6 (4)
Slabejová Gabriela, Ing., PhD. (KNDV DF)	5 (3)	1 (1)	-	6 (4)
Vilhanová Anna, Ing., PhD. (KNDV DF)	1 (1)	-	-	1 (1)
Department of Marketing, Business and World Forestry (DF)	**27 (19)**	**17 (17)**	**1 (1)**	**45 (37)**
Hlodák Marek, Ing. (Rekt D-EMLDK den [year 3])	1 (1)	-	-	1 (1)
Kaputa Vladislav, Ing., PhD. (KMOSL DF, Rekt C-DPS ext [sem3, year 2])	7 (3)	3 (3)	-	10 (6)
Loučanová Erika, doc. Ing., PhD. (KMOSL DF)	-	10 (10)	-	10 (10)
Nosáľová Martina, Ing., PhD. (KMOSL DF)	-	1 (1)	-	1 (1)
Olšiaková Miriam, Ing., PhD. (KMOSL DF)	5 (2)	1 (1)	-	6 (3)
Oravcová Triznová Miroslava, Ing., PhD. (KMOSL DF [terminated])	6 (5)	-	-	6 (5)
Paluš Hubert, doc. Ing., PhD. (KMOSL DF, ext LF)	5 (5)	-	1 (1)	6 (6)
Parobek Ján, doc. Ing., PhD. (KMOSL DF, EEEXO, ext LF)	1 (1)	2 (2)	-	3 (3)
Rokonalová Alena, Ing. (Rekt D-EMLDK den [year 3])	1 (1)	-	-	1 (1)
Slašťanová Nikola, Ing., PhD. (EEEXO)	1 (1)	-	-	1 (1)
Department of Woodworking (DF)	**3 (3)**	**-**	**-**	**3 (3)**
Kminiak Richard, doc. Ing., PhD. (KOD DF)	3 (3)	-	-	3 (3)
Department of Fire Protection (DF)	**41 (34)**	**42 (40)**	**2 (1)**	**85 (75)**
Danihelová Anna, doc. RNDr., PhD. (KFEAM DF)	2 (2)	1 (1)	-	3 (3)
Hancko Dušan, Ing. (EEEXO)	1 (0)	-	-	1 (0)
Hodálik Marek, Ing. (Rekt C-DPS ext [sem 3, year 2], DF D-PPOB den [year 3])	2 (2)	-	-	2 (2)
Horváth Ján, Ing., PhD. (KPO DF)	3 (3)	3 (2)	-	6 (5)
Chromek Ivan, Ing. Mgr., PhD. (KPO DF)	3 (3)	4 (4)	-	7 (7)
Kačíková Danica, prof. RNDr., MSc., PhD. (KPO DF)	2 (1)	8 (7)	-	10 (8)
Kmeťov Elena, Ing. (Rekt C-DPS ext [sem 3, year 2], DF D-PPOB den [year 3])	2 (1)	-	-	2 (1)
Majlingová Andrea, doc. Ing., MSc., PhD. (KPO DF, ROOUS ÚR Rekt, EEEXO)	4 (3)	2 (2)	2 (1)	8 (6)
Mitterová Iveta, Ing., PhD. (KPO DF)	-	3 (3)	-	3 (3)
Mračková Eva, doc. Ing., PhD. (KPO DF)	2 (0)	5 (5)	-	7 (5)
Orémusová Emília, Ing., PhD. (KPO DF)	3 (2)	3 (3)	-	6 (5)
Špilák Dominik, Ing., PhD. (KPO DF)	6 (6)	1 (1)	-	7 (7)
Tereňová Ľudmila, Ing., PhD. (KPO DF, CĎV C-CV ext [sem 2, year 1])	1 (1)	5 (5)	-	6 (6)
Tischler Patrik, PaedDr., PhD., MBA (KPO DF, EEEXO)	3 (3)	-	-	3 (3)
Veľková Veronika, Ing., PhD. (KPO DF)	2 (2)	4 (4)	-	6 (6)
Zachar Martin, doc. Ing., PhD. (KPO DF, EEEXO)	5 (5)	3 (3)	-	8 (8)
Department of Wooden Structures (DF)	**39 (34)**	**14 (14)**	**1 (1)**	**54 (49)**
Búryová Dominika, Ing., PhD. (KDS DF)	6 (4)	4 (4)	-	10 (8)
Čulík Martin, doc. Ing., PhD. (KDS DF, EEEXO)	2 (2)	-	-	2 (2)
Haladěj Martin, Ing. (DF D-TSDE ext [year 3], ext DF)	2 (2)	-	-	2 (2)
Jochim Stanislav, Ing., PhD. (KDS DF)	7 (6)	1 (1)	-	8 (7)
Rohanová Alena, doc. Ing., PhD. (KDS DF)	1 (1)	-	-	1 (1)
Sedlák Pavol, Ing., PhD. (KDS DF)	5 (5)	3 (3)	-	8 (8)
Soyka Roman, Ing., PhD. (KDS DF)	3 (3)	4 (4)	-	7 (7)
Štefko Jozef, prof. Ing., CSc. (KDS DF)	4 (4)	2 (2)	1 (1)	7 (7)
Štompf Patrik, Ing. (DF D-TSD den [year 3])	4 (2)	-	-	4 (2)
Uhrín Róbert, Ing. (DF D-TSD den [year 2])	3 (3)	-	-	3 (3)
Vaňová Rozália, Ing., PhD. (KDS DF, Rekt C-DPS ext [sem 3, year 2])	2 (2)	-	-	2 (2)

Workplace	BP	DP	DizP	Total
Department of Furniture and Interior Design (DF)	**11 (11)**	**6 (6)**	**4 (3)**	**21 (20)**
Baďura René, doc. akad. sculptor (KDNI DF)	2 (2)	-	3 (2)	5 (4)
Farkašová Elena, Mgr., ArtD. (KDNI DF)	1 (1)	-	-	1 (1)
Chovan Miroslav, Ing., ArtD. (KDNI DF)	1 (1)	-	-	1 (1)
Ihring Marián, doc. Mgr. art., ArtD. (KDNI DF)	-	2 (2)	1 (1)	3 (3)
Kaštierová Júlia, Mgr. art., ArtD. (KDNI DF, EEEXO)	1 (1)	-	-	1 (1)
Nôta Roman, Ing., PhD. (KDNI DF)	-	2 (2)	-	2 (2)
Somora Martin, Ing. arch., ArtD. (KDNI DF)	2 (2)	1 (1)	-	3 (3)
Spišiaková Kružlicová Lucia, Mgr. art., ArtD. (KDNI DF)	2 (2)	-	-	2 (2)
Tončíková Zuzana, doc. Ing., ArtD. (KDNI DF)	2 (2)	1 (1)	-	3 (3)
Department of Wood Technology (DF)	**7 (5)**	**6 (3)**	**1 (1)**	**14 (9)**
Iždinský Ján, Ing., PhD. (KDT DF)	3 (2)	1 (0)	-	4 (2)
Klement Ivan, prof. Ing., CSc. (KDT DF)	1 (0)	2 (1)	-	3 (1)
Réh Roman, prof. Ing., CSc. (KDT DF, ext FT)	-	2 (1)	-	2 (1)
Reinprecht Ladislav, prof. Ing., CSc. (KDT DF)	-	-	1 (1)	1 (1)
Vidholdová Zuzana, Ing., PhD. (KDT DF)	2 (2)	-	-	2 (2)
Vilkovský Peter, Ing., PhD. (KDT DF, EEEXO)	1 (1)	1 (1)	-	2 (2)
Department of Economics, Management and Entrepreneurship (DF)	**33 (25)**	**21 (19)**	**3 (3)**	**57 (47)**
Aláč Patrik, Ing., PhD. (KEMP DF [terminated])	2 (0)	2 (1)	-	4 (1)
Drábek Josef, doc. Ing., CSc. (KEMP DF, SQ ÚQ Rekt)	3 (2)	-	1 (1)	4 (3)
Gejdoš Pavol, Ing., PhD. (KEMP DF)	2 (2)	2 (2)	-	4 (4)
Hitka Miloš, prof. Ing., PhD. (KEMP DF)	-	1 (1)	1 (1)	2 (2)
Kánová Martina, Ing., PhD. (KEMP DF)	1 (1)	-	-	1 (1)
Klementová Jarmila, Ing., PhD. (KEMP DF)	5 (2)	1 (1)	-	6 (3)
Lesníková Petra, Ing., PhD. (KEMP DF)	-	4 (4)	-	4 (4)
Lorincová Silvia, doc. Ing., PhD. (KEMP DF)	1 (1)	1 (1)	-	2 (2)
Melichová Miroslava, Ing. (Rekt D-EMLDK den [year 3])	1 (1)	-	-	1 (1)
Moresová Mária, Ing., PhD. et PhD. (KEMP DF)	6 (5)	5 (4)	-	11 (9)
Poláková Natália, Ing. (Rekt D-EMLDK den [year 2])	1 (1)	-	-	1 (1)
Potkány Marek, doc. Ing., PhD. (KEMP DF)	4 (3)	1 (1)	-	5 (4)
Sedliačiková Mariana, prof. Ing., PhD. (KEMP DF)	-	3 (3)	1 (1)	5 (5)
Simanová Ľubica, Ing., Ph.D., PhD. (KEMP DF)	1 (1)	1 (1)	-	2 (2)
Sujová Andrea, doc. Ing., PhD. (KEMP DF)	6 (6)	-	-	6 (6)

Item. : In brackets is the number of successfully defended theses

BP-Bachelor thesis, DP-Diploma thesis,DizP -Dissertation

The number of final theses in each department reflects the number of students in the study programme for which the department is the guarantor. The stabilisation of supervised theses in science departments can be positively assessed.

The criterion for conducting thesis supervision at the Faculty of Wood Sciences and Technology in Stages I and II is the maximum number of 10 supervised theses per one employee for both stages combined.

In the following section of the report, the calculation of the so-called student-hours, which are determined, for example, in the calculation of the creditability of teaching within the TUZVO and the calculation of the subsidy, is presented.

The number of student-hours is defined as the product of the course endowment, the number of students enrolled in the normal form of study for this course and the number of teaching weeks in the semester.

The number of teaching hours is defined as the sum of the direct teaching component and the student examination component, where direct teaching is defined as the product of the sum of the durations of all timetable events in a given week and the number of teaching weeks in a semester (with the addition of the length of combined teaching) and the examination component is defined as the product of the number of students examined in both forms of study (normal and consultative) and a coefficient of 0.5.

Table 7.5 Basic overview of the number of student hours DF 2021/2022

The following table shows a basic overview of the number of student hours issued and received by individual faculties. The total in the Total column represents the sum of all student hours on that row, excluding those provided by a particular department to itself.

Faculty	Issued/Accepted by	DF	FEE	FT	LF	Rekt	Total
DF	V	**435 356**	9 698	5 508	13 462	15 812	44 480
	P		700	17 162	280	0	18 142
Rekt	V	0					**0**
	P	15 812					15 812
ÚCJ (043)	V	21 247					21 247
ISTC (087)	V	5 516					5 516

Set of student hours (Full-time study only)

The following table gives an overview of the student hours provided by the individual departments for a given form of study.

Issued/Accepted by	DF	FEE	FT	LF	Rekt	Total
DF	349 132	8 526	4 116	11 746	11 732	**385 252**
FEE	700	0	0	0	0	**700**
FT	13 860	0	0	0	0	**13 860**
LF	280	0	0	0	0	**280**
Rekt	0	0	0	0	0	**0**
ÚCJ (043)	17 486	0	0	0	0	**17 486**
ISTC (087)	5 516	0	0	0	0	**5 516**

Set of student hours (External combined form of study only)

The following table gives an overview of the student hours provided by the individual departments for the given form of study.

Issued/Accepted by	DF	FEE	FT	LF	Rekt	Total
DF	86 224	1 172	1 392	1 716	4 080	**94 584**
FEE	0	0	0	0	0	**0**
FT	3 302	0	0	0	0	**3 302**
LF	0	0	0	0	0	**0**
Rekt	0	0	0	0	0	**0**
ÚCJ (043)	3 761	0	0	0	0	**3 761**
ISTC (087)	0	0	0	0	0	**0**

Table 7.6 Basic overview of the number of student hours by department

Overview of student hours provided by DF faculty departments

The following table shows a basic overview of the number of student hours provided by the individual departments of the faculty.

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Share of the total
KDNI (051)	65 782	42	0	0	0	**65 824**	78,45 %	13,71 %
KDS (049)	33 312	0	0	0	0	**33 312**	39,70 %	6,94 %
KDT (056)	13 504	0	0	0	184	**13 688**	16,31 %	2,85 %
KEMP (057)	65 017	168	0	504	3 288	**68 977**	82,20 %	14,37 %
KFEAM (014)	28 166	2 744	560	0	0	**31 470**	37,50 %	6,55 %
KCHCHT (012)	20 194	3 176	0	56	0	**23 426**	27,92 %	4,88 %
KMDG (011)	35 065	3 568	4 948	7 074	1 352	**52 007**	61,98 %	10,83 %
KMOSL (018)	33 440	0	0	2 184	10 988	**46 612**	55,55 %	9,71 %
KNDV (016)	21 592	0	0	0	0	**21 592**	25,73 %	4,49 %
KND (013)	21 364	0	0	3 644	0	**25 008**	29,80 %	5,21 %
CODE (021)	13 904	0	0	0	0	**13 904**	16,57 %	2,89 %
KPO (022)	83 904	0	0	0	0	**83 904**	100,00 %	17,48 %
Total	435 356	9 698	5 508	13 462	15 812	479 836	---	---

Overview of student hours provided by DF departments of the FEE faculty

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Proportion to the whole
Dek (031)	0					**0**	0,00 %	0,00 %
KAE (026)	0					**0**	0,00 %	0,00 %
KBVE (027)	0					**0**	0,00 %	0,00 %
KEI (025)	308					**308**	78,57 %	44,00 %
KEVTUR (029)	392					**392**	100,00 %	56,00 %
KPTK (024)	0					**0**	0,00 %	0,00 %
Total	700					700	---	---

Overview of student hours provided by DF departments of the Faculty of FT

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Share of the total
KELT (045)	0					**0**	0,00 %	0,00 %
KMSD (047)	11 736					**11 736**	100,00 %	68,38 %
KVAT (055)	5 426					**5 426**	46,23 %	31,61 %
KVTMKv (054)	0					**0**	0,00 %	0,00 %
KVTM (039)	0					**0**	0,00 %	0,00 %
Total	17 162					17 162	---	---

Overview of student hours provided by DF departments of the Faculty of Medicine

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Proportion to the whole
KAZMZ (052)	56					**56**	25,00 %	20,00 %
KERLH (007)	0					**0**	0,00 %	0,00 %
KF (008)	0					**0**	0,00 %	0,00 %
KHÚLG (006)	0					**0**	0,00 %	0,00 %
KIOLK (053)	0					**0**	0,00 %	0,00 %
KLŤLM (044)	224					**224**	100,00 %	80,00 %
KPLZI (058)	0					**0**	0,00 %	0,00 %
KPL (002)	0					**0**	0,00 %	0,00 %
KPP (042)	0					**0**	0,00 %	0,00 %
Total	280					280	---	---

Overview of student hours provided by DF faculty departments Rekt

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Proportion to the whole
Rekt	0					**0**	---	---

Overview of student hours provided by the DF departments of the ÚCJ faculty (043)

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Proportion to the whole
ÚCJ (043)	21 247					**21 247**	100,00 %	100,00 %

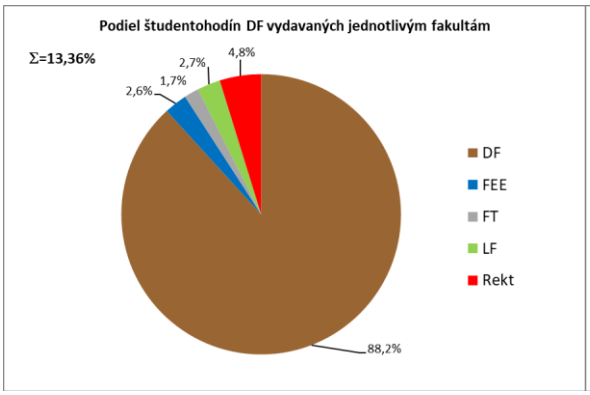
Overview of student hours provided by the DF departments of the faculty of the Institute of Education and Training (087)

Providing workplace	DF	FEE	FT	LF	Rekt	Total	Share to the best	Share of the total
ITC (087)	5 516					**5 516**	100,00 %	100,00

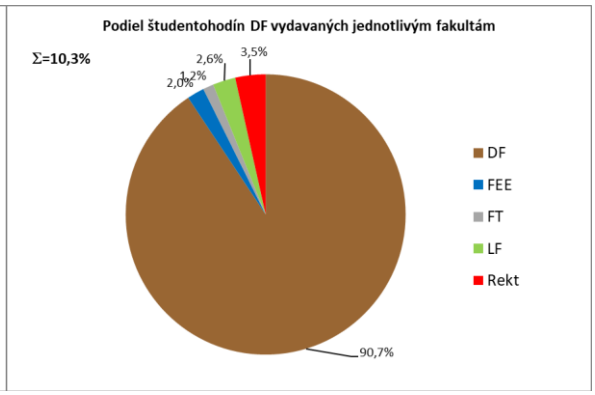
The Faculty of Wood Sciences and Technology provides 10.2% of the total output (44 480 h) to other TU components. It draws from the other components a total of 44 905 h - the largest part of 47 % is provided by the teaching of the Institute of Foreign Languages (source Table 7.5).

It is very important to note that the correct display of the real values of student hours is conditioned by the correct and complete completion of the course information sheets (subject gestor, lesson allocation, etc.) and of course the completed timetable characteristics of each subject for the teaching staff. It can be stated that at DF this condition is fulfilled at a relatively high percentage, therefore these values can be considered highly realistic. The downward trend in teaching is of course also reflected in this treatment of teaching load. There is a significant decrease in the level of teaching provided by the DF for the university-wide SP (-14%), compared to 2019/2020 this is a decrease of 42%. The overall decrease in teaching spend for 2020/2021 for other parts of TU is 9.5%. The decrease in hours received from other components is at 20.5%.

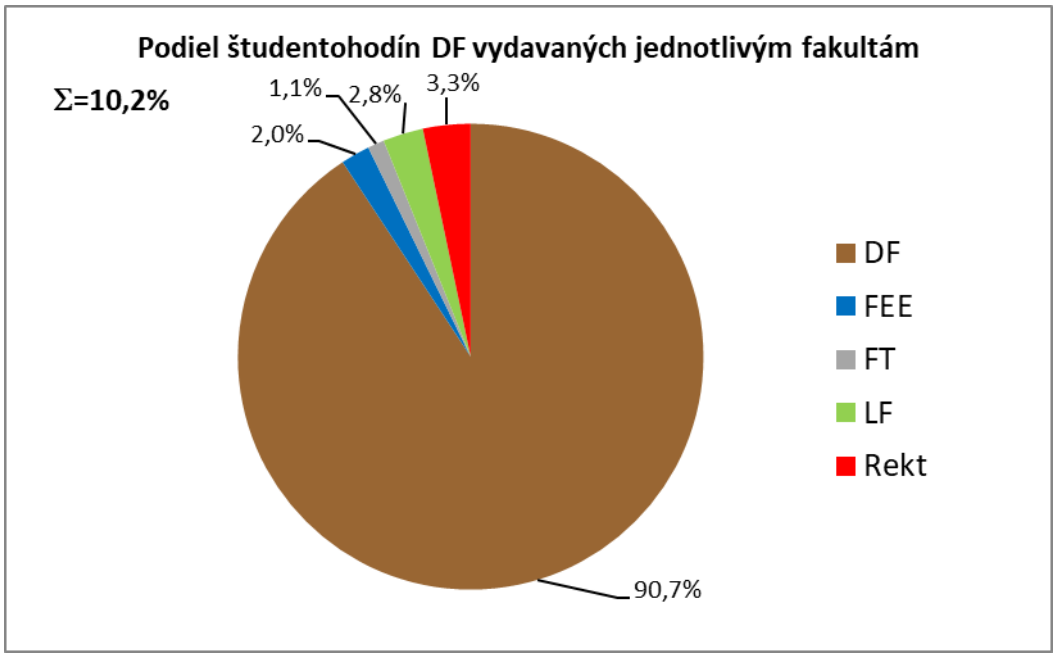
Year 2019/2020 1



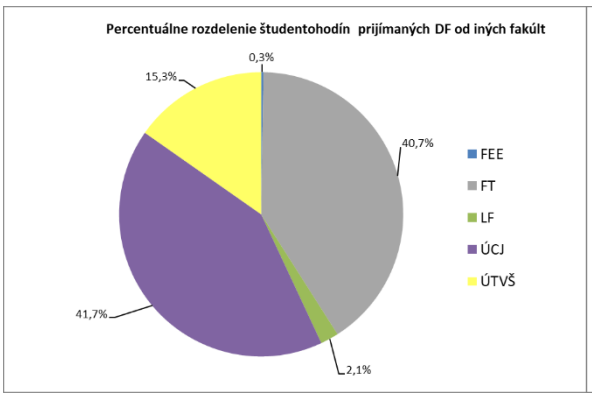
Year 2020/2021

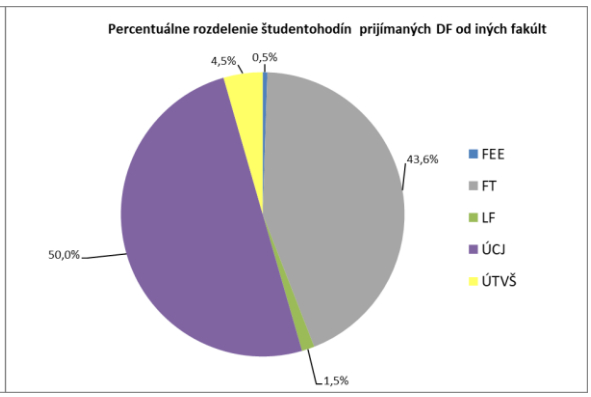


Year 2021/2022

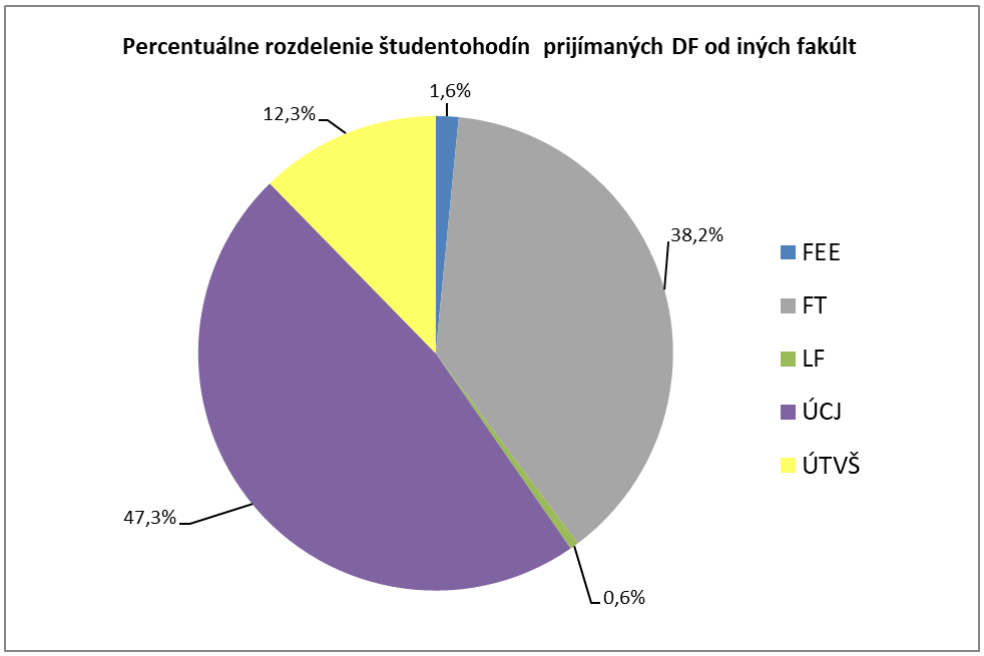


Year 2019/2020 **Year 2020/21**





Year 2021/2022



II. 9. STUDENTS' EVALUATION OF THE QUALITY OF STUDIES AT THE DF

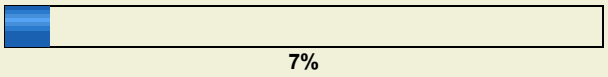
In the academic year 2021/2022, as in the previous year, the application for the evaluation of the quality of the educational process was launched via the University Information System (UIS). Students could comment via the UIS on the quality of the educational process for each of their courses that were included in their personal study plan at the end of the winter and summer semesters. In order to maintain the hierarchy, the access to the evaluation of the course evaluation is given to the teacher (lecturer) himself, the course tutor, the head of the department, the faculty management and the university management. The number of students involved in the evaluation of the quality of their studies is shown in Table 8.1. There is a slight increase in student involvement compared to the previous year, especially in the LS. It is therefore necessary to pay continuous attention to this area in order to increase student participation in assessment, which, with an appropriate approach, will contribute to improving the quality of the teaching process. In addition to the course evaluations, students had the opportunity to express their overall satisfaction with their studies at the Faculty of Wood Sciences and Technology of TU Zvolen through the TU Zvolen website. Heads of departments are obliged to monitor these survey results and in case of negative student feedback to solve the problem by individual interview with the concerned lecturer, which is successfully implemented in some departments.

Table 8.1 Overall statistics of the evaluation of the subjects

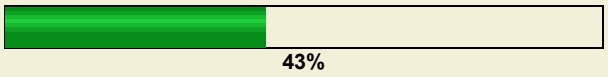
Obdobie: DF - LS 2021/2022
Poznámka: Anketa LS 2021/2022

Hodnotenie predmetu

Potenciálny počet respondentov:	934
Skutočný počet respondentov:	70



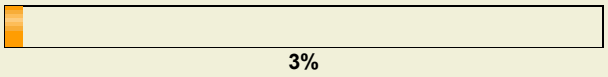
Počet riadne zapísaných predmetov v období:	162
Počet predmetov s odpoveďami:	70
Počet predmetov bez odpovedí:	92



Počet vyplnených anketových lístkov:	174
Priemerný počet lístkov na predmet:	1.07

Doplňujúce otázky

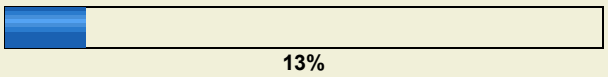
Potenciálny počet respondentov:	861
Skutočný počet respondentov:	27



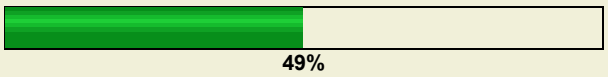
Obdobie: DF - ZS 2021/2022

Hodnotenie predmetu

Potenciálny počet respondentov:	903
Skutočný počet respondentov:	120



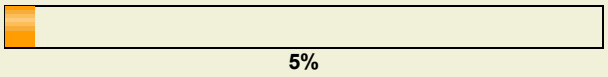
Počet riadne zapísaných predmetov v období:	181
Počet predmetov s odpoveďami:	90
Počet predmetov bez odpovedí:	91



Počet vyplnených anketových lístkov:	339
Priemerný počet lístkov na predmet:	1.87

Doplňujúce otázky

Potenciálny počet respondentov:	897
Skutočný počet respondentov:	46



Questionnaire - Course evaluation

Evaluation of teachers and subjects

N 2021/2022

Did the lecturer manage to arouse your interest in the subject?

- Yes
- No

The results can be viewed by: the sponsor and the presenter.

Did the practitioner succeed in arousing your interest in the subject?

- Yes
- No

The results can be viewed by: the sponsor and the practitioner.

Is the speaker's form of expression (verbal, written, ...) appropriate to your requirements?

- Yes
- No

The results can be viewed by: the sponsor and the presenter.

Is the form of the practitioner's expression (verbal, written, ...) appropriate to your requirements?

- Yes
- No

The results can be viewed by: the sponsor and the practitioner.

Lecturer's approach to students is correct, tactful, within the limits of "fair-play" ...

- Yes
- appropriately
- No

The results can be viewed by: the sponsor and the presenter.

The practitioner's approach to students is correct, tactful, within the limits of "fair-play" ...

- Yes
- appropriately
- No

The results can be viewed by: the sponsor and the practitioner.

To what extent did you attend lectures?

- Still
- irregularly
- occasionally
- ever

The results can be viewed by: the sponsor and the presenter.

Is the knowledge and information acquired in the course new and not repetitive (not duplicated with another course)?

- Yes
- mostly yes, some information is duplicated
- several findings and information are duplicated

The results can be viewed by: the sponsor and the presenter.

Do you get the impression that the lecturer is interested in the students mastering the material?

- Yes
- No

The results can be viewed by: the sponsor and the presenter.

Did the lectures provide you with more than just studying the recommended literature?

- Yes
- No

The results can be viewed by: the sponsor and the presenter.

Did the exercises provide you with more than just studying the recommended literature?

- Yes
- No

The results can be viewed by: the sponsor and the practitioner.

Practical examples are used in teaching the subject?

- Yes
- No

The results can be viewed by: the sponsor and the presenter.

In your opinion, how does the lecturer handle the subject?

- very well
- good
- Medium
- (•) weak

The results can be viewed by: the sponsor and the presenter.

How, in your opinion, does the practitioner handle the subject matter?

very well

good

Medium

weak

The results can be viewed by: the sponsor and the practitioner.

You rate the interpretation of the course content as ...

very good

good

average

below average

The results can be viewed by: the sponsor and the presenter.

This subject ma ...

intrigued and I think it is necessary

intrigued, but I think it is not so necessary

not impressed, but I think it is necessary

not interested and I think it is not necessary

The results can be viewed by: the sponsor and the presenter.

The difficulty of the subject, in your opinion, is ...

Large

Adequate

small

The results can be viewed by: the sponsor and the presenter.

What did you like and dislike about the course (lecture)? (Your observations, comments, suggestions, criticism, ...) What new things would you suggest to revive the teaching of the subject in the future? Please indicate!

The results can be viewed by: the sponsor and the presenter.

What did you like and dislike about the course (exercise)? (Your observations, comments, suggestions, criticism, ...) What new things would you suggest to revive the teaching of the subject in the future? Please indicate!

The results can be viewed by: the sponsor and the practitioner.

The Faculty of Wood Sciences and Technology conducted a questionnaire on the course of entrance examinations for the study programme Furniture and Interior Design for the academic year 2022/2023.

A total of 39 responses were submitted out of 59 students participating in the admissions process.

Questionnaire on the course of entrance examinations for the study programme Furniture and Interior Design for the academic year 2022/2023

Dear applicants, we would like to ask you to fill in a short questionnaire about the admission exams you have taken in the last two days. The aim of the questionnaire is to ensure the optimal conduct of the talent tests in the coming period. Thank you.

1. Was the admission procedure difficult for you? Please express the difficulty on a scale where 1 is the lowest difficulty:

12345

2. Were the assignments clear to you? Please express on a scale where 1 means the lowest comprehensibility:

12345

3. Did you have enough time for each task? If you would indicate "not enough", describe in "other" which tasks and why:

Suitable Too much Lack of

Other:

4. What was the most difficult thing for you to master in the talent tests?

Your answer

5. In what ways did you find the online entrance exam convenient or not?

Your answer

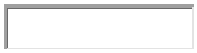
6. Which way would you prefer to conduct the entrance exams?

Online Present

7. Do you think that the objectivity and fairness of the interview process was maintained for all candidates equally? If you would indicate "no", please describe in "other" why you think so:

Yes No

Other:



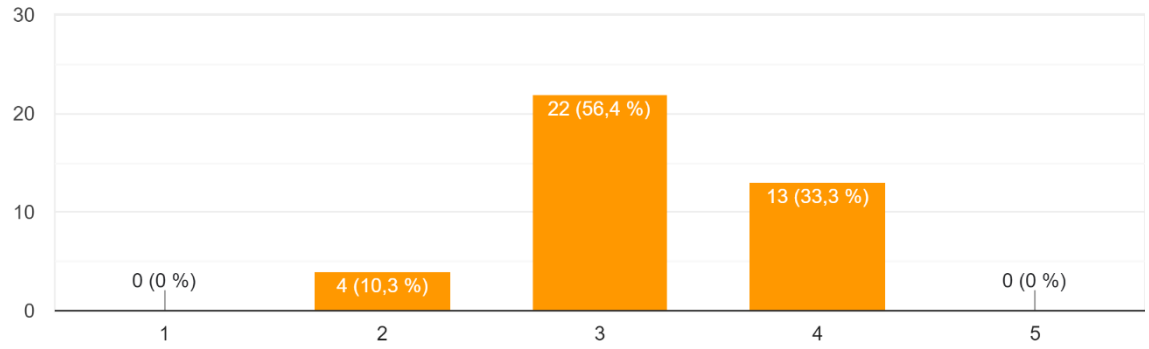
8. Do you have any other insights that would help to contribute to improving the quality of the entrance exams in the Furniture and Interior Design programme?

Your answer

Evaluation of the questionnaire:

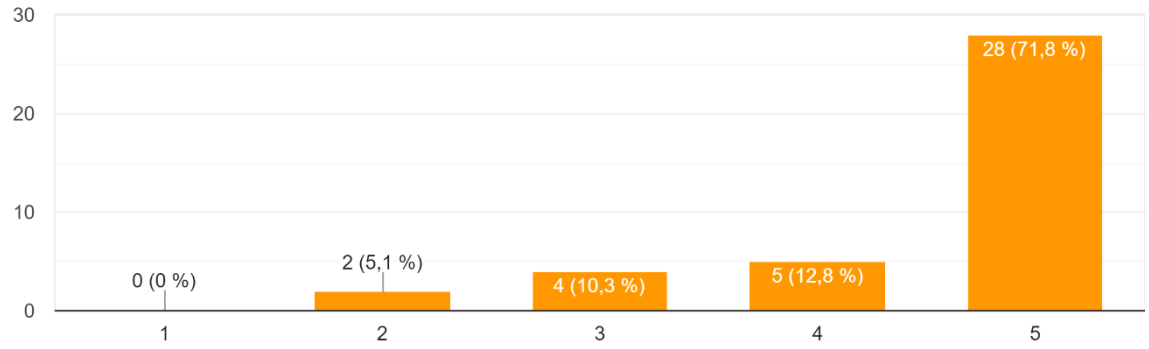
1. Bolo prijímacie konanie pre Vás náročné? Náročnosť vyjadrite na stupnici, kde 1 znamená najnižšiu náročnosť:

39 odpovedí



2. Boli zadania úlohy pre Vás zrozumiteľné? Vyjadrite na stupnici, kde 1 znamená najnižšiu zrozumiteľnosť:

39 odpovedí



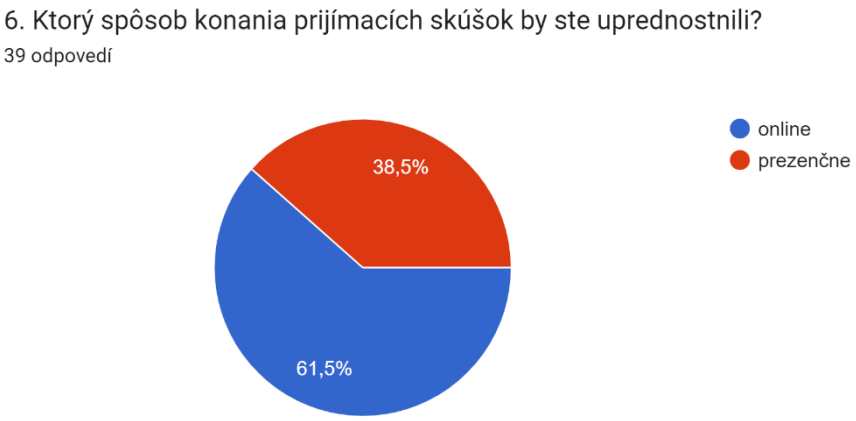
3. Mali ste dostatok času pre jednotlivé úlohy? Ak by ste označili „nedostatok“, popíšte v "iné", na ktoré úlohy a prečo:

39 odpovedí

4. What was the hardest thing for you to do in the talent tests?

Most of the answers were along the lines of: lack of time, difficult implementation of models, proper allocation of time for work...

5. In what ways did you find the online entrance exam convenient or inconvenient?
A selection of answers:
The comfort of home; It suited me in that I was perhaps not under so much stress because I was at home; It suited me in that I was in familiar surroundings, I knew what materials and tools were available to me; I could have as many tools (materials) as I needed; It suited me in that I was "in my own environment" where I am used to having my own order; Perhaps some would say that this is a disadvantage... but it suited me in that I didn't see the work of the other applicants (even if I did care - what work they had done) and I went at my own pace. I didn't have to compare and stress unnecessarily; It was not convenient in that we didn't have direct contact with the teachers; **It was convenient not only the professional but also the human approach during the whole admission procedure :)**; It was not convenient the home environment, it is of course different if all the applicants are working in one room at the same time, where there would be a greater concentration of creativity...; I liked the **approach and the whole admission procedure to this university, all the tasks and questions were given and answered in a clear way.**



II. 10. IMPLEMENTATION OF THE EDITORIAL PLAN FOR 2021

The actual implementation of the editorial plan for 2021 is shown in Table 9.1.

Tab. 9.1 Implementation of the DF editorial plan for 2021

Type of publication	Planned number	Number submitted	Fulfillment
Textbooks	2	1	50%
Scripts	7	4	57%
Artistic monograph	1	-	-
Scientific monograph	5	3	60%
Professional book publication	2	1	50%
Proceedings of scientific papers	1	-	-
Proceedings of the approved GTC	1	-	-
Other special-purpose publications	1	-	-
Total	**20**	**9**	**45%**

Of these, the following publications have been approved and issued outside of the 2021 Editorial Plan:

- **Scripts:**
  1. "Personnel Management" - scripts - M. Hitka, S. Lorincová, M. Sedliačiková, reprint - unchanged edition, no fee, paid 50% from DF, 50% from TUZVO

- **college textbook:**
  1. "Design theory and methodology 1, " - university textbook - E. Farkašová - Ľ. Petránsky, reprint, unchanged edition, without royalty, financed by DF
  2. "Design theory and methodology 2, " - university textbook - E. Farkašová - Ľ. Petránsky, reprint, unchanged edition, without royalty, financed by DF
  3. "Enterprise planning" - college textbook" - A. Sujová - P. Lesníková, reprint, unchanged edition, without royalty, financed from DF
  4. "Fire protection and emergency services" - university textbook - D. Kačíková - A. Majlingová, 1st edition, royalty-free, financed by KEGA
  5. "Security Risk Theory" - university textbook - A. Majlingová - M. Oravec - J. Drábek, 1st edition, , royalty-free, financed by KEGA

- **professional book publication:**
  1. "Fire safety of road tunnels" - professional book publication - D. Špilák, 1st edition, without fee, financed by KEGA

II. 11. STATUS OF ACCREDITATION OF STUDY PROGRAMMES AND DEVELOPMENT OF INTEREST IN STUDYING AT THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

The current status of accredited study programmes in the 1st, 2nd and 3rd cycle and habilitation and inauguration commissions at the Faculty of Wood Sciences and Technology is presented in Table 10.1-10.3.

Tab. 10.1 Accredited study programmes of the Faculty of Wood Sciences and Technology - accreditation 2014
(as at 31.8.2022)

Degree of study	Field of study	Study programme	Form Study	Length Study	Guarantor /PZ, SG
I.	Wood Sciences and Technology	Woodworking – ending progr.	D,E	3/4	prof. L. Dzurenda Prof. I. Klement doc. Kminiak
		Wood processing with IT support	D,E	3/4	prof. L. Dzurenda Prof. I. Klement doc. Kminiak
		Creation and construction of furniture	D,E	3/4	prof. J . Kúdela prof. R. Réh doc. P. Joščák
		Design and construction of furniture - Volyně, Czech Republic	E	4	doc. R. Lagaňa doc. I. Kubovský doc. Hrčka
		Management of wood and furniture production - ending progr.	D,E	3/4	prof. J. Sedliačik prof. M. Hitka doc. Ľ. Krišťák
		Family business in the wood and furniture industry	D,E	3/4	prof. J. Sedliačik prof. M. Hitka prof. M. Sedliačiková
		Timber and Wood Structures	D,E	3/4	prof. J. Štefko prof. L. Reinprecht prof. M. Siklienko
		Timber and Wood Structures -Volyne CR	E	4	doc. A. Rohanová doc. M. Mamonova doc. Ľ. Krišťák
	Economics and Management	Economics and Business Management DSP	D,E	3/4	doc. J. Drábek doc. A. Sujová doc. M. Potkány
	Safety and Security Sciences	Fire protection and safety	D,E	3/4	prof. D. Kačíková Prof. F. Kacik doc. A. Danihelová
	Art	Furniture and interior design	D	4	doc. M. Ihring prof. J. Veselovský doc. R. Baďura
II.	Wood Sciences and Technology	Wood Engineering	D,E	2/3	prof. L. Dzurenda Prof. I. Klement doc. Kminiak
		Creation and construction of furniture	D,E	2/3	prof. J . Kúdela prof. R. Réh doc. P. Joščák
		Management of woodworking and furniture production	D,E	2/3	prof. J. Sedliačik prof. M. Hitka doc. Ľ. Krišťák
		Production and Utilisation of Wood Products	D	2	prof. L. Reinprecht doc. M. Gajtanska
		Timber and Wood Structures	D,E	2/3	prof. J. Štefko doc. R. Lagaňa prof. M. Siklienko
	Economics and Management	Economics and Business Management DSP	D,E	2/3	prof. M. Šupín doc. A. Sujová prof. M. Sedliačiková

	Safety and Security Sciences	Fire protection and safety	D,E	2/3	prof. D. Kačíková Prof. F. Kacik doc. A. Danihelová

continued Tab.- 10.1

	Art	Furniture and interior design	D	2	prof. J. Veselovský doc. M. Ihring doc. R. Baďura
III.	**Wood Sciences and Technology**	Wood processing technology	D,E	3/4	prof. L. Dzurenda prof. L. Reinprecht Prof. I. Klement
		Structure and properties of wood	D,E	3/4	prof. J. Kudel doc. R. Lagaňa doc. Mamoňová
		Designs and processes for the manufacture of wood products	D,E	3/4	prof. J. Štefko, prof. J. Sedliačik doc. P. Joščák
	Safety and Security Sciences	Fire protection and safety	D,E	3/4	Prof. F. Kacik prof. D. Kačíková, doc. A. Majlingová
	Art	Furniture and housing design	D/E	3/4	prof. Veselovský doc. M. Ihring doc. R. Baďura
Habilitation and inaugurations	**Wood processing technology**	Wood processing technology	prof. L. Dzurenda/ prof. L. Reinprecht, prof. I. Klement		
	Structure and properties of wood	Structure and properties of wood	doc. R. Lagaňa, doc. R. Hrčka		
	Designs and processes for the manufacture of wood products	Designs and processes for the manufacture of wood products	prof. J. Kúdela/ prof. J. Štefko, prof. Sedliačik		
	Rescue services	Rescue services	prof. F. Kačík/ prof. D. Kačíková, doc. A. Majlingová		

PZ - staffing (first and second level of study)

SG - Co-guarantor (third level)

Tab. 10.2 Accredited study programmes of degree III of the Faculty of Wood Sciences and Technology (as of 31 August 2022) - accreditation in the process of completion

Field of study	Name of study programme	Form Study	Length Study	Guarantor /spolugaranti
5.2.43 Wood processing technology	Wood processing technology	D, E	3, 5	prof. L. Dzurenda / prof. L. Reinprecht, Prof. I. Klement
5.2.45 Designs and processes for the manufacture of wood products	Designs and processes for the manufacture of wood products	D, E	3, 5	prof. J. Štefko, /Professor. J. Kúdela doc. P. Joščák

Table 10.3 Aligned study programmes according to the standards of the Slovak Accreditation Agency for Higher Education (as of 1 September 2022)

Degree of study	Field of study	Study programme	Form Study	Length Study	Person responsible for SP/ Persons providing profile subjects
I.	**Woodworking**	Wood processing with IT support	D,E	3/4	**prof. L. Dzurenda** Prof. I. Klement prof. R. Réh doc. Kminiak doc. I. Čabalová
		Creation and construction of furniture	D,E	3/4	**prof. J . Kúdela** prof. J. Sedliačik

					doc. M. Mamonova doc. N. Langová doc. A. Danihelová
		Timber and Wood Structures	D,E	3/4	**prof. J. Štefko** doc. R. Lagaňa doc. Ľ. Krišťák doc. M. Němec doc. J. Parobek
	Economics and Management	Economics and Business Management DSP	D,E	3/4	**prof. M. Hitka** prof. M. Sedliačiková doc. M. Potkány doc. J. Drábek doc. S. Lorincová
	Safety and Security Sciences	Fire protection and safety	D,E	3/4	**prof. D. Kačíková** Prof. F. Kacik doc. A. Majlingová doc. I. Kubovsky doc. M. Zachar
	Art	Furniture and interior design	D	4	**doc. M. Ihring, univ. prof.** doc. R. Baďura doc. Z. Tončíková doc. A. Stolár Ing. M. Chovan univ. doc.
II.	**Woodworking**	Wood Engineering	D,E	2/3	**prof. L. Dzurenda** Prof. I. Klement prof. R. Réh doc. Kminiak doc. I. Čabalová
		Creation and construction of furniture	D,E	2/3	**prof. J . Kúdela** prof. J. Sedliačik doc. M. Mamonova doc. N. Langová doc. A. Danihelová
		Timber and Wood Structures	D,E	2/3	**prof. J. Štefko** doc. R. Lagaňa doc. Ľ. Krišťák doc. M. Němec doc. J. Parobek
	Economics and Management	Economics and Business Management DSP	D,E	2/3	**prof. M. Sedliačiková** prof. M. Hitka doc. M. Potkány doc. J. Drábek doc. S. Lorincová
	Safety and Security Sciences	Fire protection and safety	D,E	2/3	**prof. D. Kačíková** Prof. F. Kacik doc. A. Majlingová doc. I. Kubovský doc. M. Zachar
	Art	Furniture and interior design	D	2	**doc. M. Ihring, univ. prof.** doc. R. Baďura doc. Z. Tončíková doc. A. Stolár Ing. M. Chovan univ. doc.
III.	**Woodworking**	Wood processing technology	D,E	3/4	**prof. L. Dzurenda** prof. J. Sedliačik prof. R. Réh prof. J. Štefko prof. J. Kudel
	Safety and Security Sciences	Fire protection and safety	D,E	3/4	**prof. D. Kačíková** Prof. F. Kacik doc. A. Majlingová doc. I. Kubovský doc. M. Zachar
	Art	Furniture and housing design	D/E	3/4	**doc. M. Ihring, univ. prof.** doc. R. Baďura doc. Z. Tončíková doc. A. Stolár Ing. M. Chovan univ. doc.
Habilitation and inaugurations	**Wood processing technology**	Wood processing technology	**prof. L. Dzurenda** prof. J. Sedliačik prof. R. Réh		

			doc. R. Lagaňa prof. J. Kudel
	Rescue services	Rescue services	**prof. D. Kačíková** Prof. F. Kacik doc. A. Majlingová doc. I. Kubovsky doc. M. Zachar

The following tables present the development of interest in the study of degree I programmes, the numbers of registered and enrolled students and the success rate in completing degree I programmes and the numbers of students continuing their studies in degree II programmes.

Tab. 10.4 Development of interest in the study programmes of the first degree - number of enrolled/ planned number of admitted students at the Faculty of Wood Sciences and Technology of the Technical University in Zvolen 2019/2020 - 2022/2023 (as of 10.10.2022)

Enrolments/admissions plan								
Field and study programme	**2019/2020**		**2020/2021**		**2021/2022**		**2022/2023**	
	D	**E**	**D**	**E**	**D**	**E**	**D**	**E**
Designs and processes of woodworking products/ Woodworking								
Timber and Wood Structures - from 2015/2016	51/60	25/15	46/60	16/15	60/50	21/15	37/50	27/35
Timber and Wood Structures- from 2015/2016 - Volyně CR	-/-	23/20	-/-	22/20	-/-	12/20	-/-	-/-
Total Design and processes of wood products manufacturing/Woodworking	***51/60***	***48/35***	***46/60***	***38/35***	***60/50***	***33/35***	***37/50***	***27/35***
Woodworking								
Wood processing/ from 2020/21 IT-supported woodworking	6/30	0/10	4/30	0/10	5/20	1/10	1/20	5/10
Creation and construction of furniture	28/30	6/10	30/30	18/10	30/30	16/20	20/30	22/35
Design and construction of furniture - Volyně CZ from 2017/2018	-/-	6/20	-/-	11/20	-/-	8/20	-/-	-/-
Management of woodworking and furniture production / from 2020/21 Family business in woodworking and furniture	3/20	0/10	5/20	1/10	4/20	1/10	-/-	-/-
Total Wood processing	***37/80***	***12/50***	***39/80***	***30/50***	***39/70***	***25/50***	***21/50***	***27/45***
Economics and Management								
Economics and Business Management DSP	***75/100***	***14/40***	***57/100***	***10/40***	***64/60***	***15/30***	***84/60***	***16/30***
Safety and Security Sciences								
Fire protection and safety	***133/100***	***23/40***	***120/100***	***29/40***	***105/100***	***21/30***	***109/100***	***27/30***
Art								
Furniture and interior design	58/35	-/-	54/35	-/-	50/35	-/-	60/35	-/-
Total DF	**354/375**	**97/165**	**262/320**	**107/165**	**318/315**	**94/155**	**311/295**	**97/140**

Tab. 10.5 Study programmes of the first degree - numbers of admitted/enrolled at the Faculty of Wood Sciences and Technology in 2019/2020 - 2022/2023 (as of 10.10.2022)

Admitted/enrolled								
Field and study programme	**2019/2020**		**2020/2021**		**2021/2022**		**2022/2023**	
	D	E	D	E	D	E	D	E
Designs and processes of woodworking products/ Woodworking								
Timber and Wood Structures	51/41	25/20	46/38	16/13	60/34	21/15	37/22	27/24
Timber and Wood Structures - from 2016/17 -Volyně ČR	-/-	23/19	-/-	22/20	-/-	12/10	-/-	-/-
Total	***51/41***	***48/39***	***46/38***	***38/32***	***60/34***	***33/25***	***37/22***	***27/24***
Woodworking								
Wood processing/ from 2020/21 IT-supported woodworking	6/5	0/0	4/4	0/0	5/4	0/0	1/0	5/2
Creation and construction of furniture	28/22	6/5	30/26	18/15	30/21	16/12	20/8	22/18
Creation of furniture design (Volyně, Czech Republic)	-/-	6/4	-/-	11/11	-/-	8/8	-/-	-/-
Management of woodworking and furniture production/ from 2020/21 Family business in woodworking and furniture	3/2	0/0	5/1	1/0	-/-	-/-	-/-	-/-
Total	***37/29***	***12/9***	***39/31***	***30/26***	***35/25***	***24/20***	***21/8***	***27/20***
Economics and Management								
Economics and Business Management DSP	***75/51***	***14/12***	***57/37***	***10/9***	***64/38***	***15/11***	***84/58***	***16/12***
Safety and Security Sciences								
Fire protection and safety	***133/84***	***23/17***	***120/85***	***29/22***	***105/62***	***21/15***	***109/60***	***27/20***
Art								
Furniture and interior design	45/36	-/-	**39/25**	**-/-**	**38/31**	**-/-**	**41/33**	**-/-**
Total DF	**342/240**	**97/77**	**301/216**	**107/90**	**302/190**	**93/71**	**292/181**	**97/76**

Tab. 10.6 Success rate in completing degree I study programmes - numbers of enrolled 2019/2020, graduates 2021/2022 and those continuing their studies in degree II study programmes at the Faculty of Wood Sciences and Technology

Department/programme	**Enrolled to Level I**		**Alumni**		**Enrolled to level II**	
	2019/2020		**2021/2022**		**2022/2023**	
	D	**E**	**D**	**E**	**D**	**E**
Woodworking						
Timber and Wood Structures	41	10	17	4	16	6
Timber and Wood Structures - Volyně	-	13	-	16	-	-
Wood processing/DPIT	5	0	1	0	-	-
Creation and construction of furniture	20	10	9	5	7	4
Creation and construction of furniture -Fully		5		3	-	-
Management of woodworking and furniture production	1	0	-	-	-	-
Total Wood processing	***67***	***38***	***27***	***28***	***23***	***10***
Economics and Management						
Economics and Business Management DSP	47	16	24	6	22	5
Safety and Security Sciences						
Fire protection of persons and property	81	21	34	8	23	7
Art						
Furniture and interior design	33	-	12	-	5	-

Total DF	**228**	**75**	**97**	**42**	**73**	**22**

Of the 228 full-time students enrolled in the academic year 2019/2020 in the 1st cycle of studies at the Faculty of Wood Sciences and Technology, 97 students successfully completed their studies, which is 42.5%, and 73 students enrolled in the 2nd cycle, which shows that approximately 75% of the students who successfully completed the 1st cycle of studies continued their studies in the 2nd cycle.

In the external form of study, out of 75 students enrolled in the academic year 2019/2020 in the first cycle of study at the Faculty of Wood Sciences and Technology, 42 students successfully completed their studies, which represents 56%.

III. SCIENTIFIC RESEARCH AND ARTISTIC ACTIVITIES

III. 1. INTENTIONS AND IMPLEMENTATION OF SCIENTIFIC RESEARCH AND ARTISTIC ACTIVITIES

The intentions and implementation of scientific research and artistic activities are based on the Long-term plan of the Faculty of Wood Sciences and Technology in Zvolen for the years 2017 - 2023 with a vision to 2030, which was developed in accordance with the requirements of Act No. 131/2002 Coll. on Higher Education and on Amendments and Supplements to Certain Acts and approved by the Academic Senate of the Faculty of Wood Sciences and Technology. The long-term plan is the basic planning document for ensuring the development of the Faculty in all key areas.

The research task of the Faculty of Wood Sciences and Technology is to fulfil its mission by solving research projects and programmes of national and international character with an orientation on the issues of complex use of wood raw material, technology, engineering, economics, security services, art, as well as in other related and application areas. The aim of the Faculty of Wood Sciences and Technology is to be part of an internationally recognised, research-oriented university and to be one of the Slovak leaders in its scientific research focus.

In the field of scientific research, creative and artistic activities, the strategic goal of the Faculty of Wood Sciences and Technology is to achieve internationally accepted results in research and artistic activities and the transfer of knowledge into economic and social practice by 2023. Based on long-term developments, the trend is positive and the Faculty is making good progress in fulfilling the measures to achieve this goal.

2022 was a year of several major changes in higher education. Research institutions, including universities, underwent the first periodic evaluation of their research, development, artistic and other creative activities, which took the form of an independent peer review to assess the level of creative activities from the perspective of foreign experts. In the first round of the periodic evaluation, the area of outputs of creative activities was evaluated, and in the following years an evaluation of the social significance and environment of creative activities is planned. Another important event was the preparation and processing of documents for the comprehensive accreditation of all study programmes and commissions for habilitation and inauguration procedures. In 2022, for the first time, the outputs of creative activities were reported according to the new Decree of the Ministry of Education and Science of the Slovak Republic No. 397/202 Coll. regulating the categorisation of outputs according to the new methodology.

The aim of the evaluation of the scientific research and artistic activities of the Faculty of Wood Sciences and Technology is to create an objective account of the activities of the Faculty for the past calendar year. By evaluating the development in the field of project, scientific research and artistic activities, it can be stated that in 2022 there was again a decrease in the number of creative staff, but at the same time an improvement in the coefficient of the qualification structure of the faculty. A positive shift has again occurred in the number of staff financed exclusively from project sources. The number of projects in progress has increased, with a long-term change in the proportional representation in favour of projects with a larger volume of funding, which has been reflected in an increase in the total amount of funding received. The total research capacity of faculty staff has decreased, and the percentage of research capacity utilisation has also decreased. The total number of reported publications has slightly decreased, which was also reflected in the most important

category of outputs (category B or V3). Conversely, the proportion of CCC outputs included in Q1 has slightly increased. On the positive side, there has been a significant increase in the share of faculty in artistic activity within the country. The total number of recorded responses has increased in all categories monitored

III. 2. INTENTIONS AND IMPLEMENTATION OF SCIENTIFIC RESEARCH AND ARTISTIC ACTIVITIES

Research projects are an important element in the development of knowledge and the promotion of research in an academic environment. Organizational Directive No. 2/2020 on the management of projects supported by the Ministry of Education, Science, Research and Sport of the Slovak Republic and from other sources at the Technical University in Zvolen is in force at TUZVO, the purpose of which is to ensure a uniform procedure in the preparation, processing and implementation of projects in the conditions of TUZVO.

An overview of the projects being addressed at the DF in 2022 is given in Tables III-1 and III-2.

In 2022, a total of 20 VEGA projects were solved at the Faculty of Wood Sciences and Technology, of which 16 projects had a responsible investigator from the Faculty of Wood Sciences and Technology and in 4 projects the Faculty of Wood Sciences and Technology had staff members as members of the research team. VEGA projects solved in the position of the responsible researcher from the Faculty of Science were included in the following committees:
VEGA No. 6 for Civil Engineering ..... 1 project,
VEGA No. 8 for Agricultural, Veterinary and Wood Sciences ..... 9 projects,
VEGA No. 12 for Arts, Aesthetics and Linguistics ..... 1 project,
VEGA No. 13 for Economic and Legal Sciences ..... 5 projects.

In the field of university pedagogy, a total of 6 KEGA projects were solved at the Faculty of Wood Sciences and Technology in 2022, 3 in the position of responsible researchers, 2 in the position of responsible researchers for the co-investigating organization. In one KEGA project, DF staff were members of the research team at other faculties and departments.

DF staff solved 19 projects of the APVV agency, 14 of them in the position of responsible researchers. Three projects were solved under the general call VV2017, one each under the calls VV2018 and VV2019 and three projects each under the calls VV2020 and VV2021. Three projects were funded under bilateral calls (China, Poland, Czech Republic). In five projects, DF staff were members of the research team at another department.

From the development of the total number of funded projects it can be stated that the number of projects solved at the Faculty of Wood Sciences and Technology has significantly increased year-on-year (+9 projects). From a long-term perspective, the number of projects with lower allocation is decreasing and the number of projects with higher financial support is increasing.

Tab. III-1 Number of research projects in the years 2019-2022

Projects	r. 2019	r. 2020	r. 2021	r. 2022
VEGA	20	18	17	20
KEGA	12	9	7	6

APVV	12	12	17	19
MVTS	5	5	4	6
H2020	-	-	1	1
OP-SF	-	1	1	-
IPA TUZVO	2	3	3	4
Other	1	3	2	5
Together	52	51	52	61

Table III-2 gives an overview of the tasks to be solved at the DF in 2022 with the researcher capacities and allocated funds.

Tab. III-2 Overview of tasks to be solved at the Faculty of Science in 2022

Task number	Name of the task	Principal Investigator	Solving capacity in hours		Allocated funds in €	
			Educator. work.	Research work/ PhD students	Current expenditure	Capital expenditure
VEGA						
2/0106//19	Wooden Pipe Fund of Historical Organ Positives in Slovakia	doc. Ing. Martin Čulík, PhD.	700	-	623	-
1/0397//20	Efficient use of woody biomass in terms of valuable chemical substances	Mgr. Viera Kučerová, PhD.	2700	0 1500	11 267	-
1/0454/20	Study of changes in fire-technical parameters of natural and synthetic polymeric materials by progressive analytical and forensic methods	Ing. Veronika Veľková, PhD.	3300	0 1000	11 570	-
1/0161/21	Dependence of the type of corporate culture on industries of Slovak enterprises and selected socio-demographic factors	doc. Ing. Silvia Lorincová, PhD.	1600	0 2000	4 969	-
1/0324/21	Analysis of the risks of changes in material composition and technological background on the quality of the working environment in small and medium woodworking companies	doc. Ing. Richard Kminiak, PhD.	2200	800 400	8 670	-
1/0714/21	Research on selected properties of sustainable insulation materials with potential for use in wood buildings	doc. Mgr. Miroslav Němec, PhD.	3800	-	8 650	-
1/0177/22	A progressive approach to reducing the carbon footprint through optimal use of thermally modified timber throughout the entire life cycle	prof. RNDr. František Kačík, DrSc.	2300	0 500	19 702	-
1/0577/22	Improvement of surface properties of wood and wood-based materials modified by CO2 laser	doc. Ing. Ivan Kubovský, PhD.	1300	-	8 592	-
1/0264/22	Influence of process parameters of CNC technology on the quality of furniture joints	prof. Ing. Ján Sedliačik, PhD.	4900	2000 3000	13 900	-
1/0475/22	Environmental consumer and environmental citizen	Ing. Vladislav Kaputa, PhD.	3100	-	8 061	-

1/0495/22	Sustainability of value supply chains and its impact on the competitiveness of enterprises in the forestry-logging complex	doc. Ing. Hubert Paluš, PhD.	2000	-	7 925	-
1/0494/22	Comparative advantages of the wood processing industry under the growing influence of green economy principles	doc. Ing. Ján Parobek, PhD.	3600	-	6 638	-
1/0115/22	A comprehensive approach to studying changes in fire parameters using advanced analytical and testing methods	doc. Ing. Martin Zachar, PhD.	2800	-	16 481	-
1/0063/22	Elimination of growth defects of selected deciduous trees by drying and hydrothermal treatment of wood	prof. Ing. Ivan Klement, CSc.	3700	300 0	11 487	-
1/0665/22	Use of recycled and modified wood in the production of agglomerated materials	Ing. Ján Iždinský, PhD.	2700	0 2000	9 437	-
1/0333/22	Enterprise agility - the ability to adapt effectively to unpredictable environmental changes in the context of dealing with the coronary crisis during the COVID-19 pandemic	doc. Ing. Andrea Sujová, PhD.	5000	1000 0	11 100	-
1/0318/19	Behavioural aspects of quality and their impact on building a quality culture	Solving organization: the EF UMB Banská Bystrica - doc. Ing. Denisa Malá, PhD. Researcher from Faculty of Science: prof. Ing. Prof. Mariana Sedliačiková, PhD.	100	-	-	-
1/0450/19	Evaluation of hybrid poplars in terms of defence responses and wood cell wall composition under climate change	Principal investigator: prof. Dr. Mgr. Mgr. Jaroslav Ďurkovič., Faculty of Medicine, Faculty of Science. Vladimír Račko, PhD.	200	1000 0	-	-
1/0655/20	The concept of bioeconomy in the conditions of the forestry and forestry sector of the Slovak Republic	Principal investigator: Ing. Blanka Giertlová, PhD., LF TUZVO, Principal Investigator. Patrik Aláč, PhD.	500	-	-	-
1/0029/20	Microevolutionary mechanisms shaping the spatial genetic structure of forest tree populations	Principal investigator: prof. Ing. D. Gömöry, DrSc., Faculty of Medicine, Faculty of Science. Mgr. J. Schmidtová, PhD.	300	-	-	-

KEGA						
001TU Z-4/2020	Implementation of Progressive Technologies, Methods and Forms into Education in the Field of Study Safety and Security Sciences	prof. RNDr. Danica Kačíková, PhD., MSc.	1900	1000 0	7 109	-
005TU Z-4//2020	Economics, management and entrepreneurship in wood processing enterprises-college textbooks with the support of visualization in virtual space	doc. Ing. Marek Potkány, PhD.	5000	500 200	9 690	-
001TU Z-4/2021	Postvirotic design (furniture and interior design)	doc. akad. sculptor. René Baďura	2050	0 400	7 816	-
026UMB-4/2021	Occupational safety demonstration laboratory for manual machinery in human-machine interaction	Solving organisation: the UMB Responsible researcher for DF: doc. Ing. Richard Kminiak, PhD.	1300	500 0	3 602	-
023ŽU-4/2021	Developing intellectual competence and manual skills in STEM education	Principal investigator: doc. Prof. Dr. Hockicko, University of Žilina Responsible researcher for DF: doc. Mgr. Mgr. Miroslav Němec, PhD.	2900	-	6 137	-
003TU Z-4/2020	Promoting university education in a world language through the fusion of vocational and linguistic content in non-philological faculties	Principal investigator: Mgr. Mgr. Jaroslava Štefková, PhD., ÚCJ TUZVO Solver from Faculty of Wood Sciences and Technology: doc. Prof. Majlingová, Ing. Prof. Majlingová, Ing. Ing. Špilák	600	200 0	-	-

APVV - research projects						
APVV-17-0456	Thermal modification of wood with saturated water vapour for the purpose of targeted and stable change of wood colour	prof. Ing. Ladislav Dzurenda, PhD.	1650	950 0	45 756	-
APVV-17-0583	Construction and decoration materials based on recycled and modified wood	prof. Ing. Ladislav Reinprecht, CSc.	4150	150 700	30 621	-
APVV-17-0005	A systematic approach to the study of fire parameter changes using advanced analytical and forensic methods	prof. RNDr. Danica Kačíková, PhD., MSc.	4450	0 600	32 405	-

APVV-18-0378	Research on innovative methods for crosslinking formaldehyde in wood-based panels by environmentally progressive modification of aminoplasts with biopolymers and additives to support a sustainable circular bioeconomy	prof. Ing. Ján Sedliačik, PhD.	4600	300 0	64 504	-
APVV-19-0269	Research on the preparation of environmentally stable wood bio-composites by innovative methods of targeted modification of polycondensation adhesives with natural polymers and additives	prof. Ing. Roman Réh, CSc.	5000	0 1000	58 928	-
APVV-20-004	The impact of the growth of anthropometric parameters of the Slovak population on the functional properties of furniture and business processes	prof. Ing. Miloš Hitka, PhD.	2800	400 0	66 988	-
APVV-20-0159	Research on surface properties of wood and wood-based materials modified with CO_2 laser radiation and low-temperature plasma"	doc. Ing. Ivan Kubovský, PhD.	4550	0 1150	37 538	-
APVV-20-0294	Assessment of the economic, social and environmental impacts of forest management in protected areas of the Slovak Republic on forestry and downstream industries	doc. Ing. Hubert Paluš, PhD.	2200	-	46 918	-
APVV-21-0049	Processing of beech raw material into cross-sections and glued boards with significant dimensional stability	prof. Ing. Ivan Klement, CSc.	2650	0 600	24 791	-
APVV-21-0051	Investigation of the false heartwood and sapwood of Beech (Fagus sylvatica L.) for the purpose of elimination of colour differences by thermal treatment with saturated water vapour	prof. Ing. Ladislav Dzurenda, PhD.	2650	450 150	18 397	-
APVV-21-0015	Utilization and transfer of biomimetic mechanisms of wood in the design of new forms and properties of furniture, interior and housing	doc. Ing. Zuzana Tončíková, ArtD.	2250	0 150	19 846	-
APVV-17-0400	Strengthening the ethical environment in Slovakia (institutional practices, actors, risks, strategies)	Principal Investigator: doc. Ing. Helena Čierna, PhD. Researcher from Faculty of Wood Sciences and Technology: Mgr, Jarmila Schmidtová, PhD.	300	-	-	-
APVV-19-0612	Modelling the impact of the risk of destructive natural elements on the forestry - timber economic complex under conditions of continuing climate change	Principal Investigator: prof. Ing. Ján Holécy, CSc. Solvers from Faculty of Science: Ing Aláč, doc. Drábek, Ing. Kánová	1550	-	-	-
APVV-18-0520	Innovative methods of performance analysis of the forestry-logging complex using the principles of green growth	Principal Investigator: prof. Ing. Iveta Hajdúchová, PhD.	600	-	-	-

		Researchers from Faculty of Science: prof. Ing. Mariana Sedliačková, PhD., doc. Ing. Prof. Marek Potkány, PhD.				
APVV-19-0035	Simulation and Visualization Analysis Tool for Forestry Planning (SAVANT)	Principal Investigator: prof. Ing. Marek Fabrika, PhD. Researchers from Faculty of Science: RNDr. Andrej Jankech, RNDr. Ondrej Vacek, PhD.	1600	-	-	-
APVV-20-0403	FMA analysis of potential signals suitable for adaptive control of nesting strategies for milling wood-based agglomerates	Principal Investigator: doc. Ing. Peter Koleda, PhD. Researchers from Faculty of Wood Sciences and Technology: prof. Dzurenda, doc. Kminiak, Ing Banski, PhD., Ing. Šustek, PhD.	600	1200 130	-	-
APVV - bilateral cooperation projects						
SK-CN-21-0002	Advanced Fire Safety of Buildings Being a Part of Cultural Heritage	doc. Ing. Andrea Majlingová, PhD., MSc.	-	-	0	-
SK-PL-21-0059	Effect of the application of machining fluids in a minimum lubrication system (MQL) on the results of the milling process of thermally treated wood	doc. Ing. Richard Kminiak, PhD.	300	-	2 000	-
EN-CZ-RD-21-0100	Research on the preparation of environmentally stable wood bio-composites by innovative methods of targeted modification of polycondensation adhesives with natural polymers and additives	prof. Ing. Roman Réh, CSc.	1800	0 150	17 647	-

International scientific and technical cooperation projects						
COST CA16229	European Network for Environmental Citizenship (ENEC) (European Network for Environmental Citizenship)	Ing. Vladislav Kaputa, PhD., Ing. Hana Mátová, PhD.	200	-	-	-
COST Action CA 18135	Fire in the Earth System: Science & Society	doc. Ing. Andrea Majlingová, PhD., MSc. prof. RNDr. Danica Kačíková, PhD., MSc.	-	-	-	-

COST CA21103	Implementation of the Circular Economy in the Built Environment (CircularB)	doc. Ing. Hubert Paluš, PhD.	200	-	-	-
COST CA18236	Multi-disciplinary Innovation for Social Change	Ing. Vladislav Kaputa, PhD., doc. Ing. Erika Loučanová, PhD.	400	-	-	-
2019-CZ01-KA202-061229	The use of CNC technology in the field of wood processing for the exchange of procedures and examples of good practice	doc. Ing. Richard Kminiak, PhD.	-	-	12 881	-
2021-1-CZ-KA220-HED-000023098	Digital support of educational methods in situations complicating practical training on CNC technologies in the field of wood processing	doc. Ing. Richard Kminiak, PhD.	-	-	11 000	-
IPA projects - FOCCI						
IPA 1/22	Implementation of ecological innovations in wood processing enterprises as a tool of green economy	Ing. Alena Rokonalová	300	0 300	944	-
IPA 10/22	Mapping the state of the use of controlling in family and non-family enterprises operating in the wood and furniture industry in Slovakia	Ing. Natália Poláková	150	0 700	962	-
IPA 11/22	Economic complexity and costing in the production of a product from recycled wood-plastic raw materials in the context of circular economy principles	Ing. Mária Osvaldová	200	0 600	944	-
IPA 16/22	Design of coating systems for surface treatment of wood-aluminium windows with increased colour stability and alkali resistance	Ing. Lukáš Gondáš	300	0 1000	944	-
Other research and other projects						
WOODMAT	Structure and properties of lignocellulosic materials APVV project of the LPP programme	Head: prof. RNDr. František Kačík, DrSc.	-	-	24 066	-
UNIVNET	University and industry research and education platform for a recycling society	Principal investigator for TUZVO: Dr. h. c. prof. Ing. Prof. Rudolf Kropil, PhD. Doc. Ing. Iveta Čabalová, PhD., doc. Ing. Ing.	400	-	7 702	2 034

GA ID: 101037247	SILVANUS - Integrated Technological and Information Platform for wildfire Management	doc. Ing. Andrea Majlingová, PhD., MSc.	-	-	202 000	-
077150313	Subsidy from the Ministry of Education and Science for the organisation of the School of Education and Science	doc. Ing. Iveta Čabalová, PhD.	-	-	11 135	-
STREAM	SusTainable Resilient Ecosystem and Agriculture Management in Mongolia	doc. Ing. Ján Parobek, PhD.	-	-	5 500	-

III. 2.1. SCIENTIFIC RESEARCH CAPACITY OF THE DF AND ITS QUALIFICATION STRUCTURE

Workplace	Qualifications								Total	CSc.., PhD.
	Teaching staff					Researchers (R&D)				
	Prof.	Doc.	OA with PhD.	OA without PhD.	THP	VV with PhD.	VV work. without PhD.	VV work. SŠ		
KDT	3	0	3	0	3,4	0	0	0	9,4	6
KMDG	0	1	6	0	0,2	0	0	0	7,2	7
KND	1	3	0	0	0,5	1,8+2*	0	0	6,3+2*	5,8+2*
KFEAM	0	4	2	0	0,4	1*	0	0	6,4+1*	6+1*
KNDV	1	2	3	0	1,4	1	0	0	8,4	7
KEMP	2	4	6	0	1	0,95	0	0	13,95	12,95
KMOSL	1	3	3,6	0	0,6	0	0	0	8,2	7,6
KCHCHT	1	1	3	0	3,6	0	0	0	8,6	5
CODE	2	1	1	0	0	1+1*	0	1	6+1*	5+1*
KPO	1	3	5,5	0	3+1*	0,6*	0,2*	0	12,5+1,8*	9,5+0,6*
KDS	1	2	4	0	0,3	0	0	0	7,3	7
KDNI	1	4	5,6	1,95	2	0	0	0	14,55	10,6
DDF	0	0	0	0	4	0	0	0	4	0
Total 2022	14	28	42,7	1,95	20,4+1*	4,75+4,6*	0,2*	1	112,8+5,8*	89,45+4,6*
Total 2021	13	26	48,1	1,9	25+1*	4,7+3*	1	1	120,7+4*	91,8+3*
Total 2020	11	28,75	52,2	2,25	28	7,7	1	1	131,9	99,65
Total 2019	11	28,75	49,2	3,75	27	5,95	1,5	1	128,15	94,9

Tab. III-3 Structure of staff by workplace as of 31.12.2022

Note: * - project-funded staff

The number of FTEs in the DF decreased year-on-year (-6.1 FTEs). The reason for the decrease in staff numbers was due to terminations and retirements. On the positive side, there was an increase in the number of full-time professors (+1) and associate professors (+2), a decrease in the number of assistant professors (-5.4), but also an increase in the number of project-funded positions. The changes made have had a positive impact on the qualification structure of the faculty staff (Table III-3a).

Table III-3a Evolution of the coefficient of the qualification structure of DF staff

Year	2018	2019	2020	2021	**2022**
Qualification structure factor DF	1,4884	1,5070	1,5149	1,5629	**1,6238**

The calculation of the scientific research capacity is based on the structure of the Faculty of Wood Sciences and Technology staff and the maximum research capacity according to the principles of the VEGA grant agency (teaching staff 1 000 h, research staff 2 000 h, PhD students 2 000 h).

The research capacity of the Faculty of Science staff by qualification structure was 105 750 h in 2022 (see Table III-4), of which the teaching staff had a capacity of 86 650 h and the research staff 19 100 h. A further 40 000 h were doctoral students. Thus, in total, the Faculty of Science had a research capacity of 145 750 h (144 400 h in 2021). The increase in research

capacity is due to changes in the structure of the staff (increase in the number of FTEs and the capacity of PhD students).

Tab. III-4 Scientific research capacity according to the qualification structure of DF staff as of 31.12.2022

Category	DrSc.	CSc./PhD.	Without scientific ranks	Total	VV-capacity h.
Teaching staff					
Professors	1	13	-	14	14 000
Associate Professors	0	27	1	28	28 000
Professional assistants	0	42,7	1,95	44,65	44 650
			Total	**86,65**	**86 650**
Research staff					
Research staff	0	4,75+4,6*	0,2	9,55	19 100
			Total	**9,55**	**19 100**
PhD students					
Internal PhD students	0	-	20	**Total**	**40 000**

The use of the research capacity of the Faculty of Science for all types of research tasks was calculated according to the annual reports of individual grant projects for 2022 and is presented in Table 1. III-5.

Tab. III-5 Utilization of the scientific research capacity of the Faculty of Science in 2022

	Solving capacity in hours							
	VEGA and KEGA		APVV		Interviewer. proj. + other		Total	
Workplace	pedagogy. work.	research work.	pedagogy. work.	research work.	pedagogical work.	research work.	pedagogical work.	research work.
DF	58 850	6 100	39 050	2 250	1750	0	**99 650**	**8 350**
LF	1 000	1 000	3 750	0	0	0	**4 750**	**1 000**
FT	0	0	900	1 200	0	0	**900**	**1 200**
UNIVNET FDI	0	0	0	0	400	0	**400**	**0**
ÚCJ	600	200	0	0	0	0	**600**	**200**
Other universities	100	0	0	0	0	0	**100**	**0**
Total	**60 550**	**7 300**	**43 700**	**3 450**	**2 150**	**0**	**106 400**	**10 750**
PhD students	0	11 000	0	4 630	0	2 600	-	**18 230**
Total	**60 550**	**18 300**	**43 700**	**8 080**	**2 150**	**2 600**	**106 400**	**28 980**
Total 2022	**78 850**		**51 780**		**4 750**		**135 380**	
share	**58,3%**		**38,2%**		**3,5%**		**100%**	
Total 2021	77 050		61 300		3 238		141 588	
Total 2020	68 785		53 400		9 902		132 087	
Total 2019	87 220		53 000		6 900		147 209	

The sum of the hours reported for project solutions in 2022 was a total of 135 380 h, representing a 92.9% utilisation of theoretical capacity (98.1% in 2021). The largest share of theoretical capacity was used for VEGA projects 46.0% (42.5% in 2021) followed by APVV projects 38.3% (43.3% in 2021) and KEGA 12.2% (12.0% in 2021). In the area of international and other projects, there has been a year-on-year increase in the share of the use of the research capacity of the faculty staff (3.5% against 2.3% in 2021).

For teaching staff of the Faculty of Wood Sciences and Technology, the average reported capacity is 1 228 h/staff (122.8% of the theoretical capacity against 118.6% in 2021) and for PhD students 912 h/doctoral student (45.6% of the theoretical capacity against 77.3% in 2021). For researchers, there was a decrease to 1 126 h/staff (56.3% of theoretical capacity against 58.4% in 2021).

III. 2.2. DF RESEARCH FUNDING

A recapitulation of the funds allocated and used for the scientific research activities of the DF in 2022 is presented in Tables III-6, III-7 and III-8**.**

Tab. III-6 Allocation of funds for VEGA projects by department in 2022

Department	Project number		Responsible researcher	Allocated funds	Number of projects in the department	Total allocation per department
	Ministry of Education and Science of the Slovak Republic	TUZVO		Common		Common
KDS	2/0106/19	V-19-009-00	doc. Čulík	623	1	623
KCHCHT	1/0397/20	V-20-009-00	Mgr. Kučerová	11 267	2	30 969
	1/0177/22	V-22-005-00	prof. Kačík	19 702		
KPO	1/0545/20	V-20-010-00	Ing. Veľková	11 570	2	28 051
	1/0115/22	V-22-011-00	doc. Zachar	16 481		
KEMP	1/0161/21	V-21-009-00	doc. Lorincová	4 969	2	16 069
	1/0333/22	V-22-014-00	doc. Sujová	11 100		
CODE	1/0324/21	V-21-008-00	doc. Kminiak	8 670	1	8 670
KFEAM	1/0714/21	V-21-007-00	doc. Němec	8 650	2	17 242
	1/0577/22	V-22-006-00	doc. Kubovský	8 592		
KNDV	1/0264/22	V-22-007-00	prof. Sedliačik	13 900	1	13 900
KMOSL	1/0475/22	V-22-008-00	Ing. Kaputa	8 061	3	22 624
	1/0495/22	V-22-009-00	doc. Paluš	7 925		

	1/0494/22	V-22-010-00	doc. Parobek	6 638		
KDT	1/0063/22	V-22-012-00	prof. Clement	11 487	2	20 924
	1/0665/22	V-22-013-00	Ing. Iždinský	9 437		
Total 2022				**159 072**	**16**	**159 072**
Total 2021				110 392	12	110 392
Total 2020				112 814	11	112 814
Total 2019				127 589	14	127 589

In 2022, the number of VEGA projects in the position of the responsible researcher increased to 16 (year-on-year increase by 4). In terms of allocated funds, there was a year-on-year increase of € 48 680 (+44.1%). The average amount of funds allocated per project was € 9 942 (in 2021 it was € 9 199/project). No funds were allocated by the Agency for capital expenditure.

In the framework of the call published by VEGA in 2022, 5 projects were submitted to the Faculty of Science in the position of the responsible researcher.

Table III-7 summarises the funding of KEGA projects by the Ministry of Education and Science of the Slovak Republic.

Tab. III-7 Allocation of funds for KEGA projects in 2022

Department	Project number		Responsible researcher	Allocated funds	Number of projects in the department	Total allocation per department
	TUZVO	Ministry of Education and Science of the Slovak Republic		Common		Common
KPO	K-20-001-00	001TUZ-4/2020	prof. Kačíková	7 109	1	7 109
KEMP	K-20-002-00	005TUZ-4/2020	doc. Potkany	9 690	1	9 690
CODE	K-21-003-00	026UMB-4/2021	doc. Kminiak	3 602	1	3 602
KFEAM	K-21-002-00	023ŽU-4/2021	doc. Němec	6 137	1	6 137
KDNI	K-21-004-00	001TUZ-4/2021	doc. Baďura	7 816	1	7 816
Total 2022				**34 354**	**5**	**34 354**
Total 2021				38 762	5	38 762
Total 2020				34 842	5	34 842
Total 2019				44 191	8	44 191

In 2022, 5 KEGA projects were solved at the Faculty of Science in the position of responsible researcher or responsible researcher for a co-investigator organisation. The total amount of funds allocated decreased by € 4 408 (-11.4%) year-on-year. On average, € 6 871 was allocated per project in 2021 (€ 7 752/project in 2021). As well as in previous years, no capital appropriations were allocated.

Within the call in 2022, 3 KEGA projects were submitted to the Faculty of Wood Sciences and Technology.

Table III-8 shows the distribution of the funding allocated for the 2022 APVV projects.

Tab. III-8 Allocation of funds for APVV projects in 2022

Department	Project number		Principal Investigator	Allocated funds	Number of projects in the department	Total allocation per department
	Ministry of Education and Science of the Slovak Republic	TUZVO		Common		Common
CODE	APVV-17-0456	06K1174	prof. Dzurenda	45 756	3	76 644
	APVV-21-0051	06K11100	prof. Dzurenda	28 888		
	SK-PL-21-0059	06K1198	doc. Kminiak	2 000		
KDT	APVV-17-0583	06K1171	prof. Reinprecht	30 621	4	131 987
	APVV-19-0269	06K1190	prof. Réh	58 928		
	APVV-21-0049	06K11106	prof. Clement	24 791		
	EN-CZ-RD-21-0100	06K11108	prof. Réh	17 647		
KPO	APVV-17-0005	06K1173	prof. Kačíková	32 405	2	32 405
	SK-CN-21- 002	-	doc. Majlingová	-		
KNDV	APVV-18-0378	06K1179	prof. Sedliačik	64 504	1	64 504
KEMP	APVV-20-0004	06K1191	prof. Hitka	66 988	1	66 988
KFEAM	APVV-20-0159	06K1194	doc. Kubovský	37 538	1	37 538
KMOSL	APVV-20-0294	06K1195	doc. Paluš	46 918	1	46 918
KDNI	APVV-21-0015	06K11102	doc. Tončíková	19 846	1	19 846
Total 2022				**457 182**	**14**	**457 182**
Total 2021				535 526	12	535 526
Total 2020				461 510	9	461 510
Total 2019				487 183	12	487 183

In 2022, 11 scientific research projects and three bilateral APVV projects (China, Poland, Czech Republic) were solved by the staff of the Faculty of Science. In terms of allocated funds, there was a year-on-year decrease of 78 344 € (-14.6%). On average, € 39 776 was allocated per APVV research project (€ 48 662/project in 2021).

In 2022, 4 projects were submitted under the public call VV2022.

Last year, the PhD students of the Faculty of Wood Sciences and Technology received four funded grants from the internal project agency IPA at TU Zvolen (Table III-9) in the total amount of 3 794 €.

Tab. III-9 Allocation of funds for IPA TUZVO projects in 2022

Department	Project number	Responsible researcher	Retrieved from funds in €	Number of projects	Allocated funds per department total in €
			Common		Common
KEMP	11/2022	Ing. Osvaldová	944	2	1 906
	12/2022	Ing. Poláková	962		
KMOSL	1/2022	Ing. Rokonalová	944	1	944
KND	16/2022	Ing. Gondáš	944	1	944

TOTAL		**4**	**3 794**

Table III-10 summarises the evolution of the volume of funding allocated to all projects in the DF in 2019-2022.

The overview shows a year-on-year increase in the amount of funds raised by the faculty. The most significant increase in support was in the area of VEGA and Other projects, a significant decrease occurred in APVV projects. The cutting-edge team "WoodMat" was supported by a direct subsidy from the Ministry of Education and Science, as in previous years. A subsidy of € 11 135 was also provided by the Ministry of Education and Science for the organisation of the SVOČ at the Faculty of Science.

The total year-on-year increase in funding received for all projects and tasks is €101 438 (+12.4%).

Tab. III-10 Evolution of the volume of funds allocated to all projects in 2019-2022 in €

Projects	2019	2020	2021	2022
VEGA	127 586	112 814	110 392	159 072
KEGA	44 191	34 842	38 762	34 354
APVV	487 183	461 510	535 526	457 182
MVTS	18 016	2 272	21 089	23 881
IPA	1 895	2 767	2 814	3 794
H2020	-	-	60 000	202 000
Other	31 297	84 710	49 564	15 236
"WoodMat"	24 000	24 000	30 130	24 066
Total	**734 168**	**722 915**	**818 147**	**919 585**

III. 2.3. INTERNAL PROJECT AGENCY OF THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

Based on the need for development and targeted support of scientific, research, pedagogical, artistic and other activities at the Faculty of Wood Sciences and Technology of the Technical University in Zvolen, the Internal Project Agency of the Faculty of Wood Sciences and Technology (IPA DF) was established. IPA DF is established as a professional entity of the faculty, which, among other things, purposely supports with financial means significant publishing and artistic activities of the faculty staff.

There is a permanent open call for applications for funding of the costs associated with the publication of accepted scientific papers in the Web of Science and Scopus databases in journals classified by the JCR in quartiles Q1 and Q2 and excellent or fundamental outputs of artistic activity. The aim of this call is to support the publishing and artistic activities of the staff of the Faculty of Wood Sciences and Technology by subsidising the costs associated with publications in journals of the CCC database or major artistic outputs. The call and the application form are available on the website of TUZVO (https://df.tuzvo.sk/sk/narodne-projekty).

In 2022, 21 applications for co-funding of publications included in the CCC database were supported by the DF management. The evolution of the number of supported publications and the amount of funds used is shown in Table 1. III-11a. The list of publications supported in 2022 is shown in Table III-11b.

Tab. III-11a Number of creative outputs supported by IPA DF and total amount of support

Year	Number of publications	Amount (EUR)
2022	**21**	**14 012**
2021	28	16 041
2020	24	14 220
2019	20	12 578

Tab. III-11b List of CCC publications supported by IPA DF in 2022

č.	Authors	Title, journal, IF, JCR quartile	Approved support (€)
1	Reinprecht, L., Repák, M.	Beech Wood Thermally Modified in the Melt of Polyethylene Glycol, *Bioresources*, IF 1,747 (2021), JCR Q2	635
2	Kačíková, D., Kubovský, I., Eštoková, F., Kačík, F., Kmet'ová, E., Kováč, J., Ďurkovič, J.	The influence of Nanoparticles on Fire Retardancy of Pedunculate Oak Wood, *Nanomaterials*, IF 5,719 (2021), JCR Q1	739
3	Dzurenda, L., Dudiak, M., Výbohová, E.	Influence of UV Radiation on the color Change of the Surface of Steamed Maple Wood with Saturated Water Steam, *Polymers*, IF 4,967 (2021), JCR Q1	892
4	Dzurenda, L.	Range of Color Changes of Beech Wood in the Steaming Process, *Bioresources*, IF 1,747 (2021), JCR Q2	550
5	Dudiak, M., Dzurenda, L., Kučerová, V.	Effect of Sunlight on the Change in Color Unsteamed and Steamed Beech Wood in the Water Steam, *Polymers*, IF 4,967 (2021), JCR Q1	919
6	Mračková, E., Schmidtová, J., Marková, I., Jaďuďová, J., Tureková, I., Hitka, M.	Fire Parameters of Spruce (Picea abies Karst. Dust Layer from Different Wood Technologies Slovak. Case Study, *Applied Sciences*, IF 2,838 (2021), JCR Q2	367
7	Reinprecht, L., Repák, M., Iždinský, J., Vidholdová, Z.	Decay Resistance of the Nano-Zinc-Oxide-PEG 6000-Thermally Modified Wood, *Forests*, IF 3,282 (2021), JCR Q1	378
8	Vilkovský, P., Vilkovská, T., Klement, I., Čunderlík, I.	The Analysis Effect of Selected Factors on the Shear Strenght of Woodbark at Different Wood Species, *Forests*, IF 3,282 (2021), JCR Q1	504
9	Ciglian, D., Reinprecht, L.	The Effect of Inorganic Preservatives in the Norway Spruce Wood on Its Wettability and Adhesion with PUR Glue, *Applied Sciences*, IF 2,838 (2021), JCR Q2	723
10	Vidholdová, Z., Kačík, F., Reinprecht, L., Kučerová, V., Luptáková, J.	Changes in Chemical Structure of Thermally Modified Spruce Wood Due to Decaying Fungi, *Journal of Fungi*, IF 5,724 (2021), JCR Q1	1031
11	Hrčka, R., Kučerová, V., Honing, V.	Dry-Matter Loss and Changes in the Chemical Composition of Spruce Wood after Long-Term Storing in the Form of Roundwood, *Polymers*, IF 4,967 (2021), JCR Q1	1297
12	Mamoňová, M., Ciglian, D., Reinprecht, L.	SEM Analysis of Glued Joints of Thermally Modified Wood Bonded with PUR and PVAc Glues, *Materials*, IF 3,748 (2021), JCR Q1	1396
13	Hitka, M:, Lorincová, S., Gejdoš, M., Lipoldová, M.	Employee Motivation during the Time of the Crisis in Agricultural and Forestry Organization. Case Study, *Agricultural economics,* IF 3,887 (2021), JCR Q1	151
14	Hitka, M., Naď, M., Gejdoš, M., Joščák, P., Jurek, A., Balážová, Ž.	The Effect of Body Mass on Desingning the Structural Elements of Wooden Chairs, *Bioresources*, IF 1,747, JCR Q2	253

15	Gejdoš, M., Hitka, M.	The Impact of the Secular Trend of the Slovak Population on the Production of Wooden Beds and Seating Furniture, *Forests*, IF 3,282 (2021), JCR Q1	151
16	Gejdoš, M., Hitka, M., Kampf, R.	Anthropometrics Parameters of the Adult Population as Ergonomics Modifier for the Chainsaw Handle, *Forests*, IF 3,282, JCR Q1	129
17	Hitka, M., Gejdoš, M., Klement, I., Simanová, Ľ.	Dimensional Solution for Beds from Wood Composites for the Bariatric Population, *Bioresources*, IF 1,747 (2021), JCR Q2	371
18	Klement, I., Vilkovský, P., Vilkovská, T.	Change in Selected Mechanical Properties of Beech Wood at the Contact Drying, *Materials*, IF 3,748 (2021), JCR Q1	1350
19	Ružiak, I., Igaz, R., Kubovský, I., Gajtanska, M., Jankech, A.	Prediction of the Effect of CO2 Laser Cutting Conditions on Spruce Wood Cut Characteristics Using an Artificial Neural Network, *Applied Sciences*, IF 2,838 (2021), JCR Q2	556
20	Kúdela, J., Kubovský, I., Andrejko, M.	Influence of Irradiation Parameters on Structure and Priperties of Oak Wood Surface Engraved with a CO2 Lasaer, *Materials*, IF 3,748 (2021), JCR Q1	700
21	Vaňová, R., Němec, M.	Environmental Impacts of Photovoltaic Energy Storage in a Nearly Zero Energy Building Life Cycle, *Materials*, IF 3,748 (2021), JCR Q1	920
		Total amount	**14 012**

III. 3. PUBLISHING AND ARTISTIC ACTIVITIES

III. 3.1. PUBLICATION ACTIVITY

Collection, categorization, registration and archiving of publication activities of teaching and scientific staff was carried out in 2022 in accordance with the new Decree of the Ministry of Education and Science of the Slovak Republic No. 397/202 Coll. No. 7/2013. For comparison of the development, the categorization according to the original Decree 456/2012 Coll.

In the new categorization of outputs of creative activity, scientific articles in the WoS and Scopus databases, which are the most valuable in terms of financial resources redistributed within the framework of the Ministry of Education, Science and Higher Education subsidy, are included in the V3 category.

In Tab. III-12a and III-12b the publication activity is evaluated by individual departments of the Faculty of Wood Sciences and Technology according to the SLDK records.

Tab. III-12a Overview of publication activity by DF departments for the year 2022 according to Decree 456/2012 (until 2021)

Code	Publication category	KDT	KMDG	KND	KFEAM	KNDV	KCHCHT	KDNI	KDS	CODE	KEMP	KMOSL	KPO	Σ DF 2022	Σ DF 2021	Σ DF 2020	Σ DF 2019
A1	AAA, AAB, ABA, ABB, ABC, ABD	-	-	-	-	-	-	-	2	1	-	4	5	**10**	9	10	10
A2	ACA, ACB, BAA, BAB, BCB, BCI, EAI, CAA, CAB, EAJ, FAI	1	1	-	2	3	2	1	1	-	6	-	3	**19**	28	17	21
B	ADC, ADD, BDC, BDD, CDC, CDD, ADM, ADN, BDM, BDN	19	11	9	23	12	9	4	2	14	30	6	10	**112**	129	99	97
D	ACC, ACD, ADE, ADF, AEC, AED, AEG, AEH, AFA, AFB, AFC, AFD, AFE, AFF, AFG, AFH, AEM, AEN, BBA, BBB, BCK, BDA, BDB, BDE, BDF, BEC, BED, BFA, BFB, BGH, CBA, CBB, CDE, CDF	7	6	5	9	15	5	11	14	15	41	50	27	**192**	152	133	179
Patents	AGJ	-	1	-	-	1	-	2	1	-	-	-	2	**7**	21	13	12
X	Uncategorized	-	-	-	-	-	-	1	-	-	-	2	4	**7**	12	10	21
	Total	27	19	14	34	31	16	19	20	30	77	62	51	**347**	351	282	340

Note:
- Group A1Book — publications in the nature of a scientific monograph.
- Group A2Other — book publications.
- Group BP — publications in peer-reviewed journals or registered in WoS and Scopus.
- The group DO — substantial publications.
- Patents — Patents, copyright certificates, designs, utility models and discoveries.

Group XUncategorized .

In aggregate, a slight year-on-year decline in the number of reported publications (-1.1%) is evident. Attention should be paid to the decline in reported outputs registered in the WoS and Scopus databases, where there was a year-on-year decrease (-13.2%). A positive trend can be observed in the selection of journals for publication from the WoS database, where the proportion of outputs in quartile Q1 increased from 40.3% in 2021 to 42.0% in 2022. These outputs are very significant in terms of accreditation, the financial contribution of database publications is dependent on the classification in quartiles according to the JCR Scientometric Database (WoS). Database outputs that are not assigned a quartile in the JCR are classified in quartile Q4 according to the methodology for the allocation of grants.

Tab. III-12b Overview of publication activity by DF departments for the year 2022 according to Decree 397/2020 (from 2022)

Code	Publication category	KDT	KMDG	KND	KFEAM	KNDV	KCHCHT	KDNI	KDS	CODE	KEMP	KMOSL	KPO	Σ DF 2022
V1	Scientific output of publishing activity as a whole	1			2	1	1	1	3	1	2	1	4	**15**
V2	Scholarly output of publishing activity as part of an edited book or proceedings	3	4	2	3	4	5	5	13	6	35	40	15	**129**
V3	Scientific output of publishing activities from the journal	20	13	9	28	15	9	4	3	23	36	17	18	**152**
P1	Pedagogical output of publishing activity as a whole										4		3	**10**
P2	Pedagogical output of publishing activity as part of a textbook or script													
O1	Professional output of publishing activity as a whole												3	**3**
O2	Professional publication output as part of a book publication or proceedings	3		3	1	7		2				2	1	**19**
O3	Professional output of publishing activities from the journal					1		2				1	3	**7**
U1	Artistic output of publishing activity as a whole							2						**2**
U2	Artistic output of publishing activity as part of a book publication or proceedings											1		**1**
U3	Artistic output of publishing activities from the journal													
D1	Intellectual property rights document		1			1		2	1				2	**6**
I1	Other publication output as a whole												2	**2**
I2	Other publication output as part of a book publication or proceedings													
I3	Other publication output from the journal							1						**1**
	Total	27	19	14	34	31	16	19	20	30	77	62	51	**347**

In Tab. III-12a and III-12b is an overview of the number of reported publication outputs in journals registered in the WoS database classified into individual quartiles according to JCR and the number and classification of outputs in the AGJ category.

Tab. III-12a Number of publications in WoS and Scopus databases by quartile

Reporting year	Q1	Q2	Q3	Q4	Together
2022*	**47**	**24**	**7**	**34**	**112**
2021	52	28	8	41	129
2020	19	28	6	46	99
2019	8	35	14	40	97

Note *The ranking of publications for 2022 is according to the quartile assigned for 2021

Tab. III-12b Structure of reported outputs in the AGJ category

Reporting year	patents	benefit. Designs	designs	protection stamps	Together
2022	**1**	**2**	**3**	**0**	**6**
2021	2	4	15	0	21
2020	0	0	13	0	13
2019	1	1	10	0	12

Tab. III-13 Overview of DF departmental responses registered in 2022

Code	Category of responses and i.	KDT	KMDG	KND	KFEAM	KNDV	KDS	KCHCHT	KDNI	CODE	KEMP	KMOSL	KPO	Σ DF 2021	Σ DF 2020	Σ DF 2019	Σ DF 2018
1	Citations in foreign publications registered in Web of Science and SCOPUS citation indexes	351	65	212	428	188	20	490	5	108	336	108	258	**1733**	1343	1210	905
2	Citations in domestic publications registered in Web of Science and SCOPUS citation indexes	22	2	23	22	25	4	15	3	28	20	3	5	**135**	170	158	123
3	Citations in international publ. not. in citation indexes	48	4	18	80	21	9	13	0	23	144	63	17	**361**	324	200	138
4	In-house citations. publ. no. in citation indexes	37	17	36	20	16	2	36	2	35	56	24	33	**245**	107	99	147
5	Reviews in foreign publications	-	-	-	-	-	-	-	-	-	-	-	-	**0**	0	0	0
6	Reviews in domestic publications	-	-	-	-	-	-	-	1	-	-	-	-	**1**	7	0	0
7	Art criticism foreign	-	-	-	-	-	-	-	-	-	-	-	-	**0**	0	0	0
8	Art criticism domestic	-	-	-	-	-	-	-	-	-	-	-	-	**0**	0	0	0

9	Award for artistic activity (acclaim)	-	-	-	-	-	-	-	-	-	-	-	-	**0**	0	0	0
	Total in 2022	**458**	**88**	**289**	**550**	**250**	**35**	**554**	**11**	**194**	**556**	**198**	**313**	**2475**			
	r. 2021	363	80	206	381	171	32	359	17	166	526	212	177	1951			
	r. 2020	286	68	150	200	155	28	302	16	135	421	173	201	1667			
	r. 2019	149	63	163	134	124	17	179	24	120	415	96	155	1315			

In Tab. III-13 is a detailed overview of the number of citations and responses registered in 2022 (according to the original Decree 456/2012 Coll.) divided into individual departments of the Faculty of Wood Sciences and Technology, as prepared from the SLDK documents. The year-on-year increase in the total number of registered citations is observable (+26.9%), It is possible to evaluate positively especially the increase in citations registered in WoS and Scopus (+29.0%), which are necessary in the accreditation process and declare the international impact of the impact of the published outputs. The search and registration of citations and references, especially from the WoS and Scopus databases, should be given due attention on a permanent basis.

III. 3.2. ARTISTIC ACTIVITY

The outputs of artistic activities were registered until the end of 2021 in accordance with Decree 456/2012 of the Ministry of Education and Science of the Slovak Republic. As in the case of publishing activities, artistic activities will be registered from 2022 according to the new Decree No. 397/2020 Coll.

In Tab. III-14a and III-14b an overview of artistic activity for the period under review is presented (according to the old and new categorization), as produced by the staff of the Department of Furniture and Interior Design, which is the only department at TUZVO that shows outputs in the field of artistic activity. The outputs listed in the table are still subject to control by the Council of Guarantors of Art Universities in the CTI SR.

Table III-14a Overview of Reported Artistic Activity (KDNI) 2018-2021

Total in the group				**Group Z - Major works of art and performances**				
2018	**2019**	**2020**	**2021**					
				ZZV	ZXX			
4	4	12	**3**	1	2			
				Group Y - Minor works of art and performances				
				YZV	YYV	YXV	YVV	
7	18	16	**15**	5	2	7	1	
				Group X - Other works of art and performances				
				XXV				
7	21	8	**6**	6				

Tab.III-14b Overview of reported artistic activity (KDNI) for the year 2022 according to Decree 397/2020 Coll.

2022									
E	**Group E - Excellent Outputs of Artistic Activity**								
0	EM1	EM2	EM3	EN1	EN2	EN3			
	-	-	-	-	-	-			
Z	**Group Z - Major Outputs of Artistic Activity**								
0	ZM1	ZM2	ZM3	ZN1	ZN2	ZN3	ZR1	ZR2	ZR3
	-	-	-	-	-	-	-	-	-
S	**Group S - Standard Outputs of Artistic Activity**								
19	SM1	SM2	SM3	SN1	SN2	SN3	SR1	SR2	SR3
	-	1	5	3	3	3	-	-	3
I	**I - Other outputs of artistic activity**								
1	1								

In 2022, there is a significant change in the categorisation of outputs, so it is not possible to compare the quality level of outputs year-on-year according to the new categorisation. In terms of the number of outputs, there has been a decrease.

In terms of the development of the share of the reported artistic activity of the HEREF in national terms in 2022, there has been a significant increase (Table III-14a). For the calculation of the share of artistic production in 2022, outputs recorded in 2019 and 2020 are assessed.

Tab.III-14c Share of HERE (KDNI) in the total reported artistic output of Slovak public universities (source www.minedu.sk)

Year	2019	2020	2021	**2022**
Share (%)	0,332	0,245	0,502	**1,042**

III. 3.3. SCIENTIFIC JOURNAL ACTA FACULTATIS XYLOLOGIAE ZVOLEN

The journal **Acta Facultatis Xylologiae Zvolen (AFXZ) is a continuation of the periodical "**Proceedings of Scientific Works" of the Faculty of Forestry and Wood Technology of the University of Forestry and Wood Technology, the first issue of which was published in 1958. It publishes original peer-reviewed theoretical and experimental scientific papers in the areas of: wood structure and properties, wood processing, machining, drying, modification and protection processes, thermal stability, combustion and fire protection, furniture construction and design, wooden building structures, economics and management of the wood processing industry. It also provides space for the presentation of opinions in the form of reports and book reviews by national and international authors. It is published on the TUZVO website (https://df.tuzvo.sk/sk/acta-facultatis-xylologiae-zvolen) and is indexed in the databases Web of Science, Scopus, ProQuest, Agricola and Scientific Electronic Library. **It has been assigned the international standard serial number ISSN 1336-3824, and since issue 2/2015 each published article is assigned a DOI (Digital Object Identifier) number.**

The AFXZ Editorial Board in 2022 consisted of:

prof. Ing. Ján Sedliačik, PhD. - Chairman
prof. Ing. Ladislav Dzurenda, PhD. - scientific editor
prof. RNDr. Danica Kačíková, PhD., MSc. - member
prof. RNDr. František Kačík, DrSc. - member
prof. Ing. Ing. Jozef Kúdela, CSc. - member
prof. Ing. Ladislav Reinprecht, CSc. - member
prof. Ing. Jozef Štefko, CSc. - member
doc. Ing. Hubert Paluš, PhD. - member
Mgr. Žaneta Balážová, PhD. - language editor
Ing. Michal Dudiak, PhD. - technical editor

International Advisory Council:

prof. dr. Pavlo Bekhta, DrSc. - Ukraine
prof. Dr. Nencho Deliiski, DrSc. - Bulgaria
prof. dr. sc. Denis Jelačić - Croatia
prof. Dr. Bohumil Kasal - USA
prof. Dr. Remy Marchal - France
prof. Ing. Miloslav Milichovský, DrSc. - Czech Republic
prof. Dr. Róbert Németh - Hungary
prof. Dr. Peter Niemz - Switzerland
prof. dr. hab. eng. Kazimierz Orlowski - Poland
prof. Dr. Franc Pohleven - Slovenia
prof. Dr. Alfréd Teischinger - Austria
prof. dr. hab. eng. Jerzy Smardzewski - Poland
Dr. h.c. prof. Ing. Mikuláš Šupín, CSc. - Slovakia
prof. Dr. Richard P. Vlosky - USA
prof. Dr. Rupert Wimmer - Austria

In 2022, two issues of Acta Facultatis Xylologiae Zvolen were published (Vol. 64, No. 1/2022 and Vol. 64, No. 2/2022), in which a total of 26 articles were published. The content and full texts of the published articles are freely available on the website: **https:**//df.tuzvo.sk/sk/archive-afxz.

III. 4. SCIENTIFIC AND PROFESSIONAL EVENTS

An important form of presentation of the results of the research of the Faculty of Wood Sciences and Technology to the professional public, as well as confrontation and constructive discussion of the results with other authors, is the presentation of the results at scientific and professional events. In addition to the participation of our staff in such events, the Faculty of Wood Sciences and Technology is the organizer or co-organizer of several scientific and professional events each year. An overview of events hosted in 2022 by department is provided in Tables III-15 and III-16.

Tab. III-15 Scientific and professional events in 2022

Department	Name	type	Participation	Deadline
	sponsor		Total/incl.	Place
DF	**62nd Student Scientific and Professional Activities** doc. Ing. Iveta Čabalová, PhD.	by	58/18	25.5.2022 Online
KNDV	**Furniture and wood products 2022** Prof. Ing. Ján Sedliačik, PhD.	with	12/2	24.11.2022 TU Zvolen
KND	**Interaction of wood with different forms of energy** doc. Ing. Miroslava Mamoňová, PhD.	with	77/3	22.11.2022 5.4.2022 9.5.2022 TU Zvolen
KDS	**Material - Acoustics - Place 2022** doc. Ing. Martin Čulík, PhD. doc. Ing. Anna Danihelová, PhD.	by	20/2	21. - 23.9.2022 TU Zvolen
CODE	**Chip and Chipless Woodworking 2022** prof. Ing. Ladislav Dzurenda, PhD. Ing. Adrián Banski, PhD.	by	45/22	15. - 17.9.2022 Tatranská Lomnica
KPO	**A new approach to detecting the causes of fires and accidents in the Slovak Republic 2022** doc. Ing. Martin Zachar, PhD.	wo	54/0	22.3.2022 TU Zvolen
KPO	**Current security challenges** doc. Ing. Andrea Majlingová, PhD., MSc. prof. RNDr. Danica Kačíková, PhD., MSc.	by	38/0	9.5.2022 TU Zvolen
KPO	**Current issues in forest fire protection 2022** Mgr. Ing. Ivan Chromek, PhD.	by	20/10	9.5. - 13.5.2022 TU Zvolen
KPO	**A systematic approach to the study of fire parameter changes using advanced analytical and forensic methods** prof. RNDr. Danica Kačíková, PhD., MSc.	with	62/0	4.11.2022 TU Zvolen
KPO	**Implementation of Progressive Technologies, Methods and Forms of Education in the Field of Study Safety and Security Sciences** prof. RNDr. Danica Kačíková, PhD., MSc.	by	19/0	4.11.2022 TU Zvolen
KPO	**Study of changes in fire-technical parameters of natural and synthetic polymeric materials by progressive analytical and forensic methods** Ing. Veronika Veľková, PhD.	by	26/0	4.11.2022 TU Zvolen
KPO	**Advances in Fire & Safety Engineering 2022** doc. Ing. Martin Zachar, PhD. - DF prof. RNDr. Iveta Marková, PhD.	by	50/5	22.11. - 23.11.2022 University of Žilina

Note: co-conference, sy-symposium, se-seminar, co-exhibition, co-colloquium, wo-workshop, pre-lecture

Tab. III-16 Other events organised at the DF in 2022

Department	Name (guarantor)	type	Participation Total/incl.	Deadline
DDF	**Open Day** Ing. Adrián Banski, PhD.	pr	100/0	26.01.2022 TU Zvolen
KPO	**Children's Firefighting University 2022** prof. RNDr. Danica Kačíková, PhD., MSc.	pr	97/0	16.11 a 24.11.2022 1.12. a 8.12.2022 TU Zvolen
KPO	**Iron Fireman 2022** Mgr. Ing. Ivan Chromek, PhD.	are	24/10	24.11.2022 TU Zvolen

Note: as- academic celebration, competition, pr-presentation, course, se-seminar

III. 5. STUDENT SCIENTIFIC, PROFESSIONAL AND ARTISTIC ACTIVITIES

III. 5.1. STUDENT SCIENTIFIC AND PROFESSIONAL ACTIVITIES (SWOČ)

The conference of the 62nd Student Scientific and Professional Activities at the Faculty of Wood Sciences and Technology in Zvolen was held online on May 25, 2022 in 6 categories. More than 100 participants from students and teachers showed interest in the student conference. The works were subsidized with financial prizes - for the 1st place 200 €, for the 2nd place 150 € and for the 3rd place 100 €. The SHSC was supported by a grant from the Ministry of Education and Science in the amount of 11 135 €.

A total of 58 papers were submitted to the 6 sections (18 of them from abroad):

Technological and technical section (total number of papers 16: 10 from Warsaw University of Life Sciences - SGGW, Poland, 3 from ČZU Praha, Czech Republic, 3 from TU in Zvolen):

1. Aleksandra Jeżo (The impact of the share of waste lignocellulosic biomass from apple orchards on the susceptibility to drilling of produced particle boards)
2. Šimon Beliansky (Furniture joints using 3d printed mechanical means)
3. Benjamín Petržela (Evaluation of the efficiency of side lumber optimisation system)

Section of Economics, Management and Entrepreneurship (total number of papers 6: 3 from TU in Zvolen, 2 from UMB Banská Bystrica, 1 from Stu MTF Trnava):

1. Stanislava Honzová (Impact of state aid on enterprises during the Covid 19 pandemic in Slovakia)
2. Slávka Hodúlová (The use of selected methods in process management)
3. Filip Ondráš (Application of talent management in an organization as a part of human resource management focused on employees with high potential)

Section of Marketing, Business and Innovation Management (total number of papers 14: 11 from TU Zvolen, 2 from Collegium Da Vinci in Poznań - Poland, 1 from STU MTF Trnava):

1. Ladislav Odstrčil (Innovative Design and Marketing in Augmented Reality)
2. Anna Topczewska (Using customer journey in marketing strategy planning)
3. Ján Filip Hargaš (Proposal for innovation of marketing communication through the created concept of mobile application in curaden Slovakia s.r.o.)

Section Safety and Security Sciences (total number of papers 3 from TU in Zvolen):

1. Matúš Adamčík (Effect of ageing on flammability of polymethylmethacrylate and polycarbonate)
2. Alena Párničanová (Methods of fire detection using charred oak wood.)
3. Adam Áč (Investigating the causes of electric vehicle fires)

The Dean's Prize was awarded to Simona Molčanová, a student of the Faculty of Wood Sciences and Technology, TU in Zvolen, who presented her thesis entitled Colour stability of transparent coating systems in the process of accelerated ageing in the Technology and Engineering Section.

Doctoral Section (total number of papers 14: 11 from TU Zvolen, 1 from Poznan University of Life Sciences - Poland, 1 from Warsaw University of Life Sciences - SGGW, Poland, 1 from ČZU Praha, Czech Republic)

1. Marek Hodálik (Gasoline as a fire accelerator - weathering process of selected residues)
2. Vladimír Mancel (Fire-technical properties of wood-rubber composites)
3. Anna Kocianová (What are the solutions to the key problems of family wood and furniture enterprises in Slovakia?)

The 62nd International Conference of Student Scientific and Professional Activities published the abstracts of the 62nd International Conference of Student Scientific and Professional Activities in electronic form, CD, ISBN 978-80-228-3315-8.

III. 5.2. STUDENT COMPETITION "PROFESSOR JINDŘICH HALABALU PRIZE 2022"

The organizer of the student competition "Professor Jindřich Halabalu Award 2022" was the Institute of Furniture, Design and Living, Faculty of Forestry and Wood Technology, Mendel University in Brno. The main prize in the category "Interior design - thesis" was awarded to
Bc. Margaréta Janovcová - Active and Passive Space / Sasa Cultural and Social Centre.
Thesis supervisor: Mgr. Mgr. Lucia Spišiaková Kružlicová, ArtD.
(https://ldf.mendelu.cz/ocenene-prace/?psn=6355)
"The conceptual solution of the semester thesis "Active and passive space" was to design a cultural and social centre that will serve the inhabitants of the village of Sasa. When designing the given space, she drew inspiration from the architecture of the building, the surrounding environment, or the people themselves. Later she tried to incorporate individual elements into the proposed solution. The building consists of a library with a separate entrance, a common room with a kitchenette and a sports and dance area, which also includes changing rooms."

IV. EXTERNAL RELATIONS OF THE FACULTY OF WOOD SCIENCES AND TECHNOLOGY

IV. 1. EXTERNAL RELATIONS INTENTIONS FOR INTERNATIONAL COOPERATION

According to the Long-term plan of the Faculty of Wood Sciences and Technology (DF) of TU Zvolen in the field of public relations, national and international cooperation for the years 2017-2023, the strategic goal is to build a positive image of the Faculty and strengthen national and international cooperation. The achievement of the strategic goal is realized through the following tasks:

a. **To popularize the results of scientific research, pedagogical and other activities of the faculty to the general public.**
   Indicator: number of faculty outputs and events and number of participants.
b. **Strengthen communication with the media and the public and promotion/marketing of the faculty.**
   Indicator: number of media outputs and responses to the activities of the faculty, position in rankings of universities and research institutions.
c. **Strengthen cooperation with economic and social practice - from private industry to public institutions.**
   Indicator: Number of cooperation contracts and count of their implementation. Participation of faculty members in expert committees and councils.
d. **Promote student and staff mobility.**
   Indicator: Percentage of students and staff undertaking student and staff mobility or work experience abroad.
e. **Strengthen cooperation with professionally and professionally close departments of V4 and EU universities and international organisations.**
   Indicator: number of joint scientific publications registered in CCC, Web of Science, joint projects, participation in COST.

The present report summarises the activities carried out in the field of external relations at the Faculty of Wood Sciences and Technology in 2022, assesses the implementation of the tasks carried out so far and proposes measures for further improvement of external relations and international cooperation. The deduction of the fulfilment of individual tasks or their partial fulfilment in 2022 is related to the development of the university environment, the ongoing pandemic COVID-19 in the first half of 2022, as well as a number of influences of the economic and social environment.

Activities in the field of external relations and building international cooperation of the Faculty of Wood Sciences and Technology in Zvolen are focused on expanding contacts and cooperation of the Faculty with foreign and domestic partners and workplaces, participation in international scientific, artistic, higher education organizations, participation of faculty employees in international projects of science, teaching, research and development, and to increase the visibility and strengthen the position of the Faculty of Wood Sciences and Technology in the national as well as international educational and scientific research space. The basis for the development of the Faculty's external relations and cooperation has long been the individual cooperation of employees and departments with partners in the Slovak Republic and abroad.

IV. 2. STUDENT AND TEACHER MOBILITY

Cooperation between the Faculty of Wood Sciences and Technology and foreign partners in the field of student and teacher mobility is implemented on the basis of implementing agreements and cooperation programmes. Under the new ERASMUS+ 2021-2027 programme, approximately 40 bilateral agreements are available for student and teacher mobility at the Faculty of Wood Sciences and Technology, based on overlapping fields of study. Thanks to the expansion of contacts and international cooperation at the individual departments of the DF as well as the University, the number of inter-institutional cooperation agreements is steadily increasing. Among the most important partners of the DF are the following universities.

Foreign university	State	Area of cooperation
Salzburg University of Applied Sciences (FHS)	A	Design
University of Forestry, Sofia	EN	Woodworking, Design, Economics and Management
CENTRIA University of Applied Sciences	FI	Design
Mendel University in Brno	EN	Woodworking, Design
Czech University of Agriculture in Prague	EN	Woodworking
VŠB-Technical University Ostrava	EN	Chemistry, Safety and Security Sciences, Materials Sciences
University of Pardubice	EN	Economics and Management
Tomas Bata University in Zlín	EN	Design, Economics and Management
University of Technology and Economics in České Budějovice	EN	Economics and Management
University of Defence Brno	EN	Safety and Security Sciences
Technische Universität Dresden	D	Woodworking
Hochschule Ostwestfalen-Lippe	D	Woodworking
Hochschule Wismar	D	Design, Economics and Management
Escuela De Arte Y Superior De Diseño Orihuela	ES	Design
University of Zagreb	HR	Material Sciences
College of Slavonski Brod	HR	Sport
University College near Karlovac	HR	Safety and Security Sciences
National University of Public Service Budapest	HU	Safety and Security Sciences
University of West Hungary	HU	Wood Technology, Materials Science
Academy of Fine Arts in Katowice	EN	Art and Design
Gdansk University of Technology	EN	Engineering
Glowna Szkoła Glowna Służby Požiarniczej Waršava	EN	Safety and Security Sciences
Warsaw University of Life Sciences	EN	Economics and Management
University of Zielona Góra	EN	Education
Instituto Politecnico do Porto	P	Economics and Management
Transilvania University of Brasov	RO	Woodworking
Karelia University of Applied Sciences	SF	Design
Lahti University of Applied Sciences	SF	Woodworking
University of Ljubljana	SI	Material Sciences
Suleyman Demirel University	TR	The chemistry of wood
Cardiff Metropolitan Universit	UK	Art and Design
University of applied Sciences Burgenland	AT	Economics and Management

In 2022, 111 persons from abroad were recruited at the Faculty of Wood Sciences and Technology of the TUZVO within the framework of foreign relations, and 141 employees of the Faculty of Wood Sciences and Technology were sent abroad. **In 2022, staff mobility as well as international activities in the first half of the year were still affected by the epidemiological situation related to the COVID-19 virus.** An overview of recruited and seconded staff and actions by focus is presented in the Tabular Appendix in Tables IV-1 to IV-3.

In cooperation with the External Relations Department of the Rector's Office of the TU, information on the possibilities of international mobility as well as on how to implement them during the pandemic was regularly sent out electronically to students and employees of the TU in 2022. Study abroad opportunities within the EU and non-EU countries and the current calls of mobility agencies, aimed at studies, internships, teaching and stays for students, researchers and lecturers are published on the internal TV circuit and bulletin board of the DDF, on the website of the Faculty of Wood Sciences and Technology, while students and employees are also informed in bulk via emails, social networks of the DDF and through the

university information system. Increased efforts to inform students and staff about ERASMUS+ mobility and work placement opportunities are reflected in the ever-increasing interest of both students and staff in such placements.

In 2022, **9** teachers completed teacher mobility and 16 **staff** completed training. An overview of ERASMUS+ mobilities is given in the tabular annex in Tables IV-4 to IV-6. In these tables, the Erasmus+ mobilities are also broken down by type of action and Erasmus+ call year from which the funding for the mobilities was drawn. In 2022, DF staff had the opportunity to undertake mixed mobility with a virtual component. Student mobility was still limited due to the epidemiological situation. In 2022, we recruited 5 foreign students in the framework of Erasmus+ and 12 DF students were sent on mobility. For the first time, students also took advantage of short-term mobility.

In the current academic year there are 77 students of nationalities other than Slovak studying at the Faculty of Wood Sciences and Technology who study in the Slovak language.

In the context of student mobility, a long-term problem is the low interest of foreign students to study at the Faculty of Wood Sciences and Technology, whether through the Erasmus+ programme or other forms of scholarships. **Moreover, this situation has been unexpectedly affected by 2 years of the COVID-19 pandemic.** It is important to focus on the promotion of the opportunities to study at DF at partner universities. A tool is the use of seconded students to provide targeted information on study opportunities and the presentation of the DF. Students are provided with promotional materials and information brochures in AJ in print and digital formats and have been asked to inform, promote and provide information on the possibility of studying at DF. It is also important to continuously identify new potential partners and educational institutions that are focused on related fields of study and programmes to those currently accredited at the DF.

The long-term goal for the coming years is to increase the number of incoming teachers and staff within the Erasmus+ programme and the Slovak Academic Information Agency with the aim of internationalising education and information exchange. The tool is to develop such activities within the staff mobility programmes that would lead to the interest of foreign partners in completing a teaching mobility or internship at the Faculty of Wood Sciences and Technology of TU Zvolen. The Faculty of Wood Sciences and Technology is actively interested in expanding academic cooperation with non-EU countries. We are actively involved in negotiations on these possibilities, which are initiated by the External Relations Office of TU.

<u>Weaknesses in efforts to increase international and our students' interest in international mobility:</u>

- In 2022, it was still the persistent unfavourable epidemiological situation in the world and in Slovakia in the first half of the year, which prevented a number of planned activities and affected the mobility of students the most.
- Lower attractiveness of the environment of the "small" town of Zvolen, which may have an impact on the decision of foreign students, for example, even just between Banská Bystrica and Zvolen.
- The specificity of the focus of the study programmes offered, which naturally influences the numbers of potential international students.
- There is still a relatively low interest of our students in joining mobility programmes, which may be related to their low level or self-confidence in language competences, or even to their lower ambitions.

DF's strengths in supporting and promoting international mobility:

- A strong presence of teacher mobility and internships can greatly help in the promotion and support of subsequent student mobility.
- The specific focus of the study programmes offered has its advantages in the case of targeting equally specific foreign universities.
- Presentation of TUZVO as a good central starting point within Slovakia for opportunities to explore the landscape, nature and history.

ERASMUS+ PRIORITIES FOR 2021-2027

Inclusion and diversity

- a European strategy for inclusion is being prepared
- national and institutional arrangements
- more diversified groups, more diversified approaches

Digital transformation

- European student card
- virtual/mixed mobility
- Strengthening the readiness of HEIs for transformation
- Strengthening/acquiring digital **skills**

Environment and the fight against climate change

- emissions reduction (travel, events, awareness)
- HE driving transformation (sustainable development, link with digitalisation**)**

Participation in democratic life

The new Erasmus+ 2021-2027 phase has created new forms of mobility.

- In addition to physical mobility, online mobility or mixed mobility (as a combination of virtual and physical mobility) will also be considered standard.
- Intensive mixed BIP programmes have been added (formerly IP - intensive programmes). Thus, it will be possible to run summer schools or intensive workshops that include virtual activities.
- In addition to long-term mobility (studies and internships lasting from 2 to 12 months), short-term mobility for PhD students (from 5 to 30 days) is also specifically designed for PhD students.

KA131 Doctoral mobility

As a new type of student mobility, the new short-term mobility of PhD students will help to better connect the world of (higher) education with the world of research and innovation.
Erasmus KA131 Doctoral Mobility focuses on education and training.
In order to increase skills development, the new Erasmus+ programme will provide PhD candidates with more opportunities for mobility also in the form of short-term stays abroad, as a complement to long-term mobility (study, internship).
The management of TUZVO, following the new possibilities of the Erasmus+ programme, in resolution 5.7.1 approved the introduction of a new elective course **Foreign Mobility of Doctoral Students** (ZMD).
Based on the opportunity offered by the Erasmus+ programme in its new programming phase, the Erasmus+ short-term PhD studentship has been included as part of the PhD students' study programme and students will be awarded 5 ECTS for completing it as a compulsory

course. The mobility/subject will be included in the doctoral student's individual plan. It can be enrolled once per semester and applies to mobility programmes and schemes such as: **Erasmus+, CEEPUS, NRS SR, COST, DAAD and others. The course will be optional in the first phase until accreditation and compulsory once the curricula are aligned.**

The mobility will thus be fully recognised and the HERE will fulfil the main requirement to which it committed itself when applying for the new Erasmus+ University Charter. TUZVO will thus at the same time fulfil its objectives in the framework of internationalisation and quality enhancement of higher education.

SHORT-TERM STUDENT MOBILITY

Short-term mobility through Erasmus+ is possible for first and second cycle students, but such mobility must include a virtual component. At the same time, recognition of such mobility in the form of ECTS must be ensured. For this purpose, the selection course **Short-term mobility of a student abroad** has been created. The prerequisite is to complete a full mobility programme at a foreign institution. The programme covers workshops, lecture and training programmes, symposia, company visits, exhibitions, etc. The mobility programme must be consulted and approved in advance by the study programme supervisor. The form of mobility can be in the form of physical participation in the programme and activities abroad, online participation or in a mixed form. A certificate of completion from the foreign institution or organisation is required for acceptance and award of credits.

IV. 3. CONTRACTUAL COOPERATION AND MEMBERSHIP OF ORGANISATIONS

In terms of the long-term plan, the aim of international multilateral and bilateral agreements was to participate in academic activities in the international space and to develop membership and active participation in academic and professional international organisations. Part of building external relations includes orientation towards domestic institutions and networking aimed at developing cooperation to support teaching activities, participation in research tasks and visibility of results. **An updated list of the contracts in force as of 2022, for which the DF staff is responsible, is given in Tabular Annex IV 7.**

IV. 3.1. AREAS OF CONTRACTUAL COOPERATION AND ASSESSMENT OF EXTERNAL RELATIONS

Foreign cooperation of the Faculty of Wood Sciences and Technology is realized on the basis of cooperation agreements with institutions abroad, mobility of employees, participation in professional and scientific events, participation of employees in international projects and on the basis of relations and contacts at the level of departments and employees of the Faculty of Wood Sciences and Technology. The Faculty of Wood Sciences and Technology cooperates with institutions in 24 countries at the level of departments and staff.

IV. 3.2. DETACHED OFFICE IN VOLYNĚ

In the academic year 2021/2022, **43** students studied in the accredited four-year study programme **"Wooden Structures" and 20 students** studied in the accredited four-year study programme **"Furniture Design and Construction" in** the study programmes taught by the Faculty of Wood Sciences and Technology in Volyn, Czech Republic. Students in the academic year 2022/2023: **'Wooden Construction' 34** students, **'Furniture Design and Construction' 24** students.

IV. 3.3. MEMBERSHIP IN INTERNATIONAL ORGANIZATIONS, GOVERNING BODIES OF INTERNATIONAL SCIENTIFIC PROGRAMS AND PROJECTS, COUNCILS AND COMMISSIONS

The Faculty of Wood Sciences and Technology is represented by its employees in the following international organisations, councils, committees and commissions based abroad .

ORGANIZATION	Member	Member of the Bureau	reviewer of papers	Member of the Supervisory Board
EAA - European Acoustical Association	1	-	-	-
SPBI - Association of Fire Safety Engineering	5	-	-	-
Society of Paper and Pulp Industry	1	-	-	-
American Chemical Society	1	-	-	-

Scientific Council of FLD ČZU Prague	1	-	-	-
IRG - The International Research Group on Wood Preservation	1	-	-	-

ORGANIZATION	Member	Member of the Bureau	reviewer of papers	Member of the Supervisory Board
WoodEMA, i.a. - International Association for Economics and Management in Wood Processing and Furniture Manufacturing	9	2	-	1
Management Committee COST Action CA16229	4	-	-	-
Trade Union Commission Faculty of Forestry and Wood Technology, Mendel Universityin Brno	2	-	-	-
ALCA - The American Leather Chemists Association, Lubbock, Texas, USA	1	-	-	-
International Academic Network ential Development in Central and Eastern EU States	1	-	-	-
Economic Commission of ČAZV Prague	1	-	-	-
I INCE - International Institute of Noise Control Engineering USA	1	-	-	-
ICA - International Commission for Acoustics	1	-	-	-
IBPSA - International Building Performance Simulation Association	1	-	-	-
Engineers Ireland	1	-	-	-
EBA - European Biomimicry Network	1	-	-	-
Beijing Forestry University (BFU), Beijing, China - R.E.D., Design for Elderly Association	1	-	-	-
Slovak Fulbright Alumni	1	-	-	-
Solarpunk Institute	1	-	-	-
European Biomimicry Network	1	-	-	-
Age-Friendly Living Ecosystem (AFLE)	1	-	-	-
Scientific and Artistic Council of the Faculty of Multimedia Communications (FMK), Tomas Bata University (UTB), Zlín, Czech Republic - member	1	-	-	-
Czech Academy of Agricultural Sciences	2	-	-	-
Social Science & Business Research Network	1	-	-	-
WoodEMA Conference, 2022 "Crisis Management and Safety Foresight in Forest-Based Sector and SMEs Operating in the Global Environment"	4	-	4	-
Management Committee COST Action CA18236	2	-	-	-
Age-Friendly Living Ecosystem (AFLE) Virtual Co-Creation Camp University of Dundee and Simon Fraser University Vancouver, Canada	1	-	-	-
Expert Jury at the 18th International Student Competition in Furniture and Interior Design Professor Jindřich Halabala Award 2022 - Mendel University, Czech Republic	1	-	-	-
EAA Technical Commission for Room and Building Acoustics	1	-	-	-
Management Committee COST Action CA21103	2	-	-	-
Commission for defences and state final examinations in I., II. and III. degree of study, Faculty of Multimedia Communications, FLD Brno	2	-	-	-
TOTAL	**54**	**2**	**4**	**1**

IV. 3.4. MEMBERSHIP OF MAJOR DOMESTIC ORGANISATIONS

ORGANIZATION	Member	Administrator	Vice-President	Chairman	expert	Secretary	representative of TUZVO	National Secretary
Art Support Fund of the Ministry of Culture of the Slovak Republic, Commission for Library Support 5.1.1 and 5.1.2	-	-	-	-	1	-	-	-
Doctoral Studies Board "Design", FAD STU Bratislava	2	-	-	-	-	-	-	-
Advisory body of the Ministry of Culture of the Slovak Republic for Support of Artistic Creation at Universities	-	-	-	-	1	-	-	-
Scientific and Artistic Council of FAD STUBA	1	-	-	-	-	-	-	-
Executive Board of the Slovak Accreditation Agency for Higher Education	1	-	-	-	-	-	-	-
Slovak Acoustical Society (SKAS)	2	-	-	-	-	1	-	-
Association of Slovak Scientific and Technical Societies	3	-	-	-	-	-	-	-
Slovak Organology Centre	-	-	1	-	-	-	-	-
Commission for the award of the Quality Mark for timber buildings	4	1	-	-	-	-	-	-
SÚTN Technical Commission 16	1	-	1	-	-	-	-	-
SÚTN Technical Commission 28	1	-	-	-	-	-	-	-
SÚTN Technical Commission 73	1	-	-	-	-	-	-	-
SÚTN Technical Commission 96	1	-	-	-	-	-	-	-
Slovak National Accreditation Service (SNAS) - assessor and expert for construction timber and wood products	1	-	-	-	1	-	-	-
Slovak Chamber of Civil Engineers	1	-	-	-	-	-	-	-
Woodworking Congress of TU in Zvolen	40	-	-	1	-	-	-	-
Sectoral Council for Forestry and Wood Processing	2	-	-	-	-	-	-	-
Slovak Society for Quality	1	-	-	-	-	-	-	-
Council of Universities	-	-	-	-	-	-	2	-
Board of Trustees of TU Zvolen	-	-	1	-	-	-	-	-
Slovak Physical Society	5	-	-	-	-	-	-	-
Union of Slovak Mathematicians and Physicists	10	-	-	-	-	-	-	-
PEFC Slovakia	1	-	-	-	-	-	-	1
CITES Advisory Committee of the Ministry of the Environment, Nature Conservation and Landscaping Section	1	-	-	-	-	-	-	-
SK BIOM, Slovak Biomass Association	-	-	-	-	-	1	-	-
Presidium of the Voluntary Fire Protection of the Slovak Republic	1	-	-	-	-	-	-	-

ORGANIZATION	Member	Administrator	Vice-President	Chairman	expert	Secretary	representative of TUZVO	National Secretary
Commission of the Ministry of Interior of the Slovak Republic and DPO SR for recodification of legislation	1	-	-	-	-	-	-	-
Republic Training Staff of DPO SR	-	-	-	1	-	-	-	-
Slovak Chamber of Forestry	1	-	-	-	-	-	-	-
Slovak Association for Geoinformatics	1	-	-	-	-	-	-	-
APPO - Association of Passive Fire Protection of the Slovak Republic	1	-	-	-	-	-	-	-
Slovak Association for Occupational Safety and Health and Fire Protection	1	-	-	-	-	-	-	-
Republican Control and Revision Commission of the DPO SR	-	-	1	-	-	-	-	-
Fire Engineering Association	1	-	-	-	-	-	-	-
DPO SR - Voluntary Fire Protection of the Slovak Republic	11	-	-	-	-	-	-	-
Working group established for the purpose of elaboration of documents for the implementation of the national education, training and training centre of the HaZZ	1	-	-	-	-	-	-	-
KEGA Commission No. 3	1	-	-	-	-	-	-	-
Slovak Society for Geometry and Graphics	1	-	-	-	-	-	-	-
Examination committee of the vocational part of the matriculation examination (theoretical vocational subjects), Secondary Vocational School of Woodworking (Vocational Secondary School of Woodworking), Zvolen	-	-	1	-	-	-	-	-
Commission for Bachelor's and Master's Thesis Defence, Technical University (TUKE), Faculty of Wood Sciences and Technology (FU), Košice	1	-	-	-	-	-	-	-
SAKVA - Slovak Association for Quality of Higher Education	1	-	-	-	-	-	-	-
Board of the study programme Business Management at the University of Management - City University in Bratislava	1	-	-	-	-	-	-	-
Council for Education and Training at the Council of Education of the Slovak Republic	1	-	-	-	-	-	-	-
ÚNMS SR Technical Commission 21	1	-	-	-	-	-	-	-
ÚNMS SR Technical Commission 716	1	-	-	-	-	-	-	-
TOTAL	**105**	**1**	**5**	**2**	**3**	**2**	**2**	**1**

IV. 3.5. MEMBERSHIP IN INTERNATIONAL AND DOMESTIC EDITORIAL BOARDS

JOURNAL	Member	guest editor	gestor	Deputy Editor-in-Chief	Chairman	Vice-President	editor
Redakčná rada časopisu "Vedecký časopis o kultúre regionu na Slovensku / Scientific Journal of Regional Culture in Slovakia"	1	-	-	-	-	-	1
Council of the Faculty of Science at the Faculty of Science of the University of Applied Sciences of the University of Applied Sciences of the University of Applied Sciences	-	-	6	-	-	-	-
Editorial Board of Interiéry magazine	1		-	-	-	-	-
Editorial Board of Wood Research	2	-	-	-	-	-	-
Editorial Board of Holztechnologie	1	-	-	-	-	-	-
Board of Consultants of the Woodworking Magazine	1	-	-	-	-	-	-
Scientific Board of the LOGI Journal	1	-	-	-	-	-	-
Scientific Council of the Central European Journal of Labour Law and Personal Management	1	-	-	-	-	-	-
Scientific Committee of the conference Financing Forests Wood 2022, November 2022 TU in Zvolen - member	1	-	-	-	-	-	-
Scientific Board of the Grant journal	1	-	-	-	-	-	-
Scientific Council of the Conference GLOBALIZATION AND ITS SOCIO-ECONOMIC CONSEQUENCES, 22st International Scientific Conference, 2022 Žilina, Slovak Republic	1	-	-	-	-	-	-
Editorial Board of the Journal of Business Management	-	-	-	1	-	-	-
Scientific Board of the Journal of Business Management	-	-	-	-	-	1	-
Editorial Board of Forests	1		-	-	-	-	-
Forests, Special Issue Composites from Recycled and Modified Woods-Technology, Properties, Application (2020-2022)	-	-	-	-	-	-	2
Special issue in Sustainability Journal, MDPI Basel Sustainable Forestry and Wood Technology and Management	-	-	-	-	-	-	1
Special issue Forest Management and Certification Systems	-	1	-	-	-	-	-
Special issue Sustainability A Green Economy as a Way for Sustainable Development	-	2	-	-	-	-	-
Special issue Sustainability Sustainable Forest Ecosystem Services and Carbon Balance in Wood Products: Towards a Green Economy	-	1	-	-	-	-	-
Special issue Sustainability: Ecological Innovation: Sustainable Development	-	1	-	-	-	-	-
Editorial Board of REFLEXIE	1	-	-	-	-	-	-
Forests, Special issue: 'Improving Wood Durability through Heat Treatment' (2022-2023)	-	-	-	-	-	-	1
Editorial Board of Cellulose Chemistry and Technology	1	-	-	-	-	-	-
Editorial Board of DELTA TU Zvolen	1	-	-	-	1	-	3
Innovations in Woodworking and Engineering Design Editorial Board	1	-	-	-	-	-	-

JOURNAL	Member	guest editor	gestor	Deputy Editor-in-Chief	Chairman	Vice-President	editor
Scientific Council of the International Scientific Journal Indra, Poznan	2	-	-	-	-	-	-
Editorial Board of the international scientific journal Drvna industrija, Zagreb	3	-	-	-	-	-	-
Editorial Board of Studia Universitatis "Vasile Goldiş" Arad. Economic Sciences	2	-	-	-	-	-	-
Sustainability (MDPI)	2	-	-	-	-	-	-
International Journal of Green Technology	1	-	-	-	-	-	-
Editorial Board (reviewer) of the scientific journal Przegląd leśniczy	1	-	-	-	-	-	-
Editorial Board of Forestry, Forest, Paper and Woodworking Industry	1	-	-	-	-	-	-
Editorial Board of Acta Facultatis Xylologiae Zvolen	9	-	-	-	1	-	-
Editorial Board of Lesotechnicheskij žurnal (WoS)	1	-	-	-	-	-	-
Derevo obrobativajuščaja sophistication	1	-	-	-	-	-	-
Editorial Board of the journal Akustika	1	-	-	-	-	-	-
Editorial Board of the magazine HASIČI - Newsletter of the Fire and Rescue Corps	2	-	-	-	-	-	-
Editorial Board of the Open Science Journal	1	-	-	-	-	-	-
Problems of risk management in the technosphere", created at the St. Petersburg University of the Ministry of Emergency Situations of the Ministry of Emergency Situations of the Russian Federation	1	-	-	-	-	-	-
Special Issue "Advances in Wood Processing Technology"	0	-	-	-	-	-	1
Special issue in Sustainability Journal, MDPI Basel Sustainable Forestry and Wood Technology and Management	-	-	-	-	-	-	1
International Association of Wildland Fire (IAWF)	1	-	-	-	-	-	-
TOTAL	**47**	**5**	**6**	**1**	**2**	**1**	**10**

IV. 3.6. IMPLEMENTATION OF INTERNATIONAL PROGRAMMES

In the framework of the ERASMUS+ Call for proposals Key Activity KA107 - Mobility of students and staff of HEIs between programme countries and partner countries (ERASMUS+ Credit Mobility), the implementation of the planned mobilities was limited in 2022 due to the epidemiological situation in the first half of the year.

CURRENT ONGOING ERASMUS KA107 PROJECTS FOR DF:

Responsible task solver: doc. Ing. Ján Parobek, PhD.
Instituto Tecnologico de Costa Rica, Cartago, Costa Rica
Responsible task solver: doc. Ing. Zuzana Tončíková, ArtD.
PURDUE University, IN, USA
Responsible task solver: doc. Doc. Acad. Prof. René Baďura
Beijing Forestry University - China

ERASMUS PROJECTS KA202 - Strategic Partnerships in VET:

Erasmus+ number 2021-1-CZ01-KA220-HED-000023098

Digital support of educational methods in situations complicating practical training on CNC technologies in the field of wood processing

Responsible task solver: **doc. Ing. Richard KMINIAK, PhD.**

Annotation of original results for 2022: The project started on February 1, 2022. The aim of the project is to prepare multimedia materials for the case of repetition of distance learning. The development of videos and interactive presentations for distance learning is being continuously developed and their publication is planned continuously during 2023. Two multilateral meetings were realized within the project, one in the Czech Republic and one in the PL.

Erasmus+ Task number: 2019-1-CZ01-KA202-061229

Task name: **Using of CNC technology in the field of wood processing for exchange of good processes and practices"**

Responsible task solver: **doc. Ing. Richard KMINIAK, PhD.**

Annotation of the original results for 2022: The project was completed by 31.10.2022. Within the project, a methodology for teaching CNC in English was developed (output see https://kod.tuzvo.sk/sk/erasmus) and a CNC encyclopaedia in English was developed (output see https://kod.tuzvo.sk/sk/erasmus). Several multilateral meetings in the Czech Republic and SLO and one meeting in Zvolen with the participation of the representatives of the sectoral council for CNC of the Slovak Republic as well as secondary schools from the Slovak Republic were carried out within the project. An international competition/intensive course in Volyn for students from CZ/SK/SLO was organised.

KDNI DF TUZVO is a partner of the HU-VOLUTION project within the Erasmus+ scheme.

Project number: 22-1-DEO1- KA220-HED-000088443

HU-Volution is a collaborative partnership project that aims to contribute to the improvement of higher education by promoting the principles of the New European Bauhaus (NEB) among designers with a focus on housing, while bridging the gap between the university systems and the labour market. The biggest priority - stimulating innovative learning and teaching practices. The European Skills Agenda states that "universities create the advanced knowledge and skills that help society innovate to tackle its grand challenges", ensuring that a rapidly changing labour market and societal transformations require the transformation of higher education institutions.

COST:

COST ACTION PROJECT - CA21103

Task name: **Implementation of the Circular Economy in the Built Environment (CircularB) (Implementation of circular economy in the built environment)**

Responsible problem solver:

doc. Ing. Hubert Paluš, PhD.

Deputy Principal Investigator:

doc. Ing. Ján Parobek, PhD.

COST ACTION PROJECT - CA16229
Task name: **European Network for Environmental Citizenship (ENEC)**
Responsible problem solver:
Ing. Vladislav Kaputa, PhD.
Ing. Hana Mátová, PhD.
Representatives of the Principal Investigators:
Dr. h. c. prof. Ing. Mikuláš Šupín, CSc.
doc. Ing. Hubert Paluš, PhD.

COST ACTION PROJECT - CA18236
Task name: **Multi-disciplinary Innovation for Social Change**
Responsible problem solver:
Ing. Vladislav Kaputa, PhD.
Representatives of the responsible researchers:
doc. Ing. Erika Loučanová, PhD.

COST ACTION PROJECT CA18135
FIRElinks - Fire in the Earth System: Science & Society
Responsible solver of the task for DF:
doc. Ing. Andrea Majlingová, PhD., MSc.
prof. RNDr. Danica Kačíková, MSc., PhD.

EU GRANT
Task number: **STREAM**
Task name: **Sustainable Resilient Ecosystem and Agriculture Management in Mongolia**
Responsible problem solver:
doc. Ing. Ján Parobek, PhD.

IV. 3.7. IMPLEMENTATION OF DOMESTIC EVENTS AND PROJECTS WITH A CONTRIBUTION TO THE EXTERNAL RELATIONS OF THE FACULTY

Department of Furniture and Interior Design

MyMachine Slovakia - developing competences for the 21st century
Mgr. Elena Farkašová, ArtD. (01. 11. 2020 - 31. 12. 2022)
Students of the Department of Furniture and Interior Design (KDNI) have joined the educational programme MyMachine Slovakia, implemented by the Carpathian Foundation in Košice.

Graphic design of the poster for the event - Night of the Faculty of Wood Sciences and Technology 2022
Ing. Miroslav Chovan, ArtD. , doc. Ing. Zuzana Tončíková, ArtD.)
(information poster, internet banner**)**

Exhibition - Miroslav Debnár 92xxx22 medium vitae
Satelit Design Gallery, Slovak Centre of Design (SCD), Bratislava
Exhibited works by: doc. Mgr. Miroslav Debnár (artist, designer, VŠVU VSVKD Bratislava), curator and opening of the exhibition. Elena Farkašová, ArtD., 02. 02. - 25. 02. 2022.

Exhibition - Long Life during Design Week Łódź (16th year)
Łódź Art Center, Łódź, Poland
Tomas Bata University (UTB), Faculty of Multimedia Communications (FMK), Zlín, Czech Republic
(curator of the project: Mgr. Elena Farkašová, ArtD.**)**

Exhibition - Furniture and Living 2022 in Nitra
Agrokomplex (National Exhibition Centre), Nitra
KDNI exhibition booth, participation in the ZVSD SR discussion forum, 27. 04. 2022, 28. 04. 2022

Exhibition - Long Life as part of Zlin Design Week 2022 (8th year)
Zlín Castle, Zlín, Czech Republic, Tomas Bata University (UTB), Faculty of Multimedia Communications (FMK), Brno, Czech Republic; (project curator: Mgr. Elena Farkašová, ArtD.) Reinstallation of the Long Life project, 06. 05. - 13. 05. 2022.

Exhibition - Panta Rhei, 15th International Symposium Panta Rhei
Hvězda Gallery (foyer of Hvězda cinema), Uherské Hradiště, Czech Republic
Tomas Bata University (UTB), Faculty of Multimedia Communications (FMK), Zlín, Czech Republic
The artworks and physical outputs were realized in the premises of UTB, FMK in Zlín from waste or residual material generated during production in EGOE, mm cité, EFF and other companies. The exhibited works of the author doc. akad. sculp. René Baďura - Kinetic object "planE", objects "lineX", CleBETA bench , curator.

Exhibition - Panta Rhei
Academy of Fine Arts im. E. Geppert Wroclaw, Wroclaw, Poland
15th International Symposium Panta Rhei. Exhibited works of the author doc. akad. sculp. René Baďura - Kinetic object "planE", objects "lineX", CleBETA bench, October 17 - October 31, 2022.

Vernissage, exhibition - 18th International Student Competition in Furniture and Interior Design Professor Jindřich Halabalu Award 2022

Festival Halabala 2022 - **Expert lecture** on the topic - Bio(r)evolution in design,
doc. Ing. Zuzana Tončíková, ArtD. (08. 11. 2022).

Vernissage, exhibition - Circles on the Water 2022
11th annual craft-oriented design competition
Gallery ÚĽUV, Bratislava
Participation in the opening of the exhibition and the official announcement of the results of the competition, the exhibited work of the author Mgr. Lucia Spišiaková Kružlicová, ArtD. - Stolček Baranček, 24. 11. 2022 - 03. 03. 2023.

Universitas Technica in Zvolen 1952 - 2022
Jubilee Academic Celebration of TU in Zvolen

Visual Communication - monograph (dimensions: h 210 mm x w 210 mm); cover - cover, parts: book cover (with "ears"), dust jacket (sleeve) / Ing. Miroslav Chovan, ArtD.;

Jubilee medal of the Technical University in Zvolen for the graphic design of the monograph **"Universitas Technica in Zvolen 1952 - 2022"** (celebration of the 70th anniversary of the founding of the Technical University in Zvolen, or the official christening of the monograph), Technical University in Zvolen, 29 November 2022.

JAVOR Open Day (participation)
Secondary Vocational School of Woodworking (SOŠD), Zvolen, 09.12.2022.

Preparation of the exhibition - Panta Rhei
FX Gallery, Academy of Arts (AU), Banská Bystrica
Joint exhibition of KDNI DF TUZVO and FMK UTB Zlín (Czech Republic).
(doc. akad. sculptor René Baďura, 12. 12. 2022)

Department of Wooden Structures

Representation of the Faculty of Wood Sciences and Technology at the Agrokomplex Nitra exhibition centre. International Engineering Fair 2022; 24 - 27 May 2022

Representation of TUZVO at the project Where to go to university (National Career Centre). Hotel Slovakia, Žilina, 20. 09. 2022

Representation of TUZVO at the Gaudeamus University Fair. Incheba Expo Arena, Bratislava. 4. - 6. 10. 2022

Excursion to the construction sites of timber buildings with students of KDS DF TUZVO. Company M-House s.r.o. Jablonové and Marianka, Bratislava district. 7. 10. 2022

Expert opinion of the damage to the building by the woodworm. Elaborated by prof. Ladislav Reinprecht and Ing. Róbert Uhrín. Liptov Museum, open-air museum Pribylina. 19. 10. 2022

Members of the Department of Wooden Structures (Ing. Rozália Vaňová, PhD.) presented the subjects from the study programme Wooden Structures for pupils of the Secondary Vocational School of Woodwork in Zvolen at the Faculty of Wood Sciences and Technology of the Technical University of Technology in Zvolen. November 2022

Members of the Department of Wooden Structures (Assoc. Ing. Alena Rohanová, PhD.) actively presented for students at the Secondary Vocational School of Woodworking in Spišská Nová Ves the possibilities of study and research at the Faculty of Wood Sciences and Technology.

Sk. year 2022/2023, Organization of training in SEMA Software and ArchiCAD. Main organizer and implementer Ing. Dominika Búryová, PhD. December 2022

Department of Wood Technology

European Researchers' Night in Banská Bystrica, 30 September 2022

Europa Shopping Center in Banská Bystrica, scientific stand "We have wood in our hearts", where samples of domestic species of wood and wood composite materials were presented. At the same time, the structure of the samples was observed under a microscope, while microstructural images were presented on a monitor. Participants.

Training TRADITIONAL THESIS , 10.10. - 14.10. 2022
Monuments Office of the Slovak Republic - Department of Preventive Maintenance of Monuments, workplace Stred in Banská Štiavnica; lecture for participants of the training focused on Damage to wooden structures of historical buildings; participants: Zuzana Vidholdová

TU Dresden, Institut für Naturstofftechnik, Propfessur für Holztechnik und Faserwerkstofftechnik, Germany, 25.04.2022 - 29.04.2022**;** Presentation of the possibility of study and research at the Faculty of Wood Sciences and Technology of the Technical University in Zvolen within the ERASMUS+ programme; participant: Ján Iždinský

Department of Economics, Management and Entrepreneurship

In celebration of September as Financial Literacy Month, a KEMPácke tea event was held on 11 October 2022. In this way, members of the department kicked off a series of activities in the sense of "closer to students". The aim of the activities is to get closer to the students from a different - friendlier perspective. The main activities of the event, apart from offering tea, were short interactive workshop lectures by several members of the department on interesting and practical topics or the implementation of a quiz on finance in everyday life. The cost of the event was covered by the department. In total, the event was attended by approx. 40 full-time students participated in the event.

On 7 December 2022, from 13.30, the Christmas with KEMP event took place. This year's event was accompanied by a number of playful activities whether it was on finance and currency or was along the lines of "get to know the educator a little differently". In a friendly atmosphere, members of the department and students discussed over Christmas fruit punch. Once again this year, a raffle with many prizes was an essential part of the KEMP event. The proceeds of the raffle were donated to support non-profit organizations operating in the Banská Bystrica region. The cost of the event was covered by the department's funds. In total, the event was attended by approx. 60 full-time students from different years participated in the event.

Activities organised by KEMP to promote studies

As part of the promotional activities, KEMP staff gave lectures at 15 selected secondary schools on the promotion of studies at the Faculty of Wood Sciences and Technology, following individual agreements and contacts. The lectures were designed with a discussion on a stimulating topic, which also included a presentation of study opportunities at the Faculty of Education, focusing on leisure activities, foreign internships and graduate employment. Part of the cost was covered by the department and the marketing activities account of the Rector's Office funds.

A supportive activity was also the **sending of invitation letters to students enrolled in** the EMPDSP programme prior to enrolment with individual invitations to study and the presentation of an interesting framework of selected issues of study as well as additional activities in addition to the study. It also included a presentation in the form of promotional

materials of the faculty (a magnet and a poster with reasons why to study at TUZVO) + USB stick, which was paid for by the department. A total of 55 applicants were approached in this way.

Department of Wood Science

European Researchers' Night in Banská Bystrica, 30 September 2022
KND staff Ing. Vladimír Račko, PhD. and Ing. Barbora Slováčková, PhD. took part in the event with the aim of popularization of science to the general professional public on 30.9.2022 in Europa Shopping Center in Banská Bystrica.

Secondary School of Woodworking in Spišská Nová Ves
Promotion of the school: lecture workshop of the Faculty of Wood Sciences and Technology, 01. 12. 2022. - doc. Lagaňa

Department of Furniture and Wood Products

Ing. Jozef Fekiač, PhD.
promotion of the study: lecture - Current trends in furniture assembly joining, at the **Secondary Vocational School of Woodworking in Topoľčany**, date: 14.11.2022

doc. Ing. Nadežda Langová, PhD.
promotion of studies: lecture at the **Secondary Vocational School of Woodworking in Topoľčany**, term: 14.11.2022

doc. Ing. Nadežda Langová, PhD.
promotion of studies: lecture at the **Secondary Vocational School of Woodworking in Spišská Nová Ves**

Department of Fire Protection

The KPO also participated in the promotion of the study in 2022 through the events: the "Children's Firefighter University 2022" and the "DF Night".

IV. 4. Survey on the employability of DF graduates

The management of the Faculty of Wood Sciences and Technology carries out its own research on the employability of graduates of the Faculty of Wood Sciences and Technology in order to find out how successfully and in what areas of social life they will be employed in practice after graduation. The survey is carried out through an anonymous online questionnaire which contains basic information about the graduate's studies, the country of current employment, the industry in which he/she is working and the specific activity he/she performs within the DSP or related industries.

The survey was addressed to **99** full-time and part-time graduates who completed one of the engineering or master's degree programmes in the academic year 2021/2022 at the Faculty of Wood Sciences and Technology. The survey was carried out approximately half a year after graduation and in order to obtain the highest possible return rate, questionnaires were sent repeatedly in two rounds (**January 2022** and **February 2022**). In total, only **36 respondents** out of 99 respondents responded, representing a **return rate of** only **36% this year**. Therefore, the relevance of the survey results is reduced. Of the responding respondents, **99% were** former full-time students. The structure of the respondents involved according to the degree completed is shown in Figure IV-1.

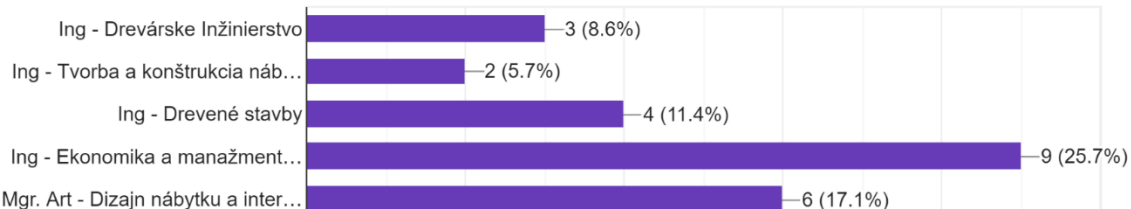


Fig. IV-1 Structure of respondents according to completed studies

- Out of the total number of respondents, 3% of the respondents were working abroad.
- 94.3% of the total respondents are currently employed, 3% are unemployed. The rest of the respondents report that they are studying alongside their employment.

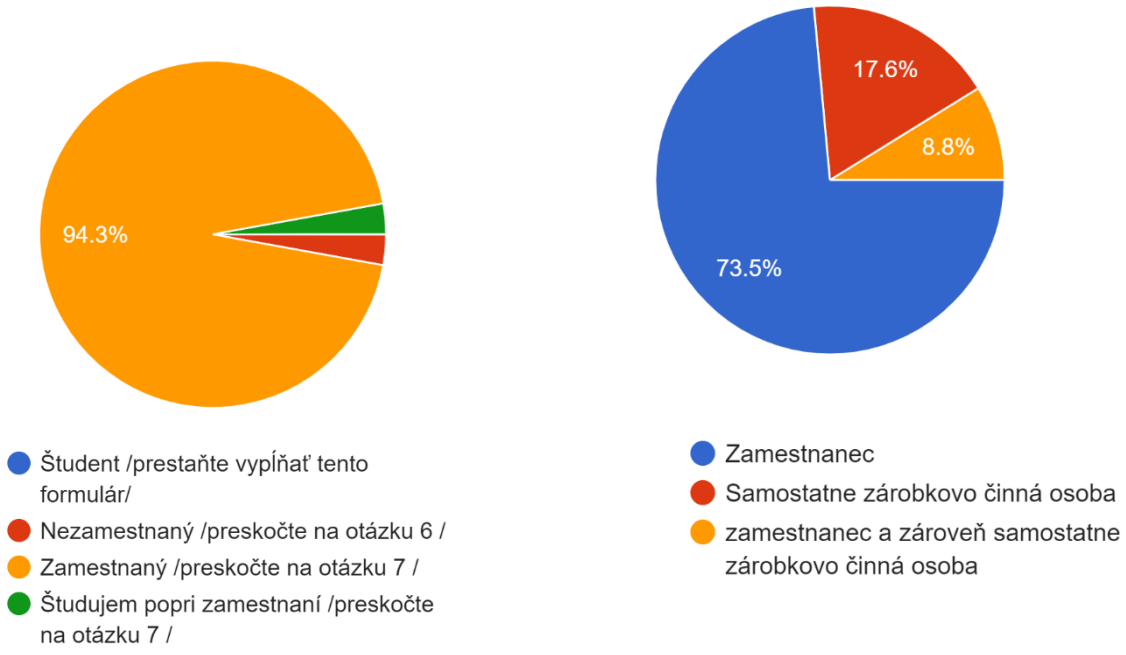


Fig. IV-2 Employment structure

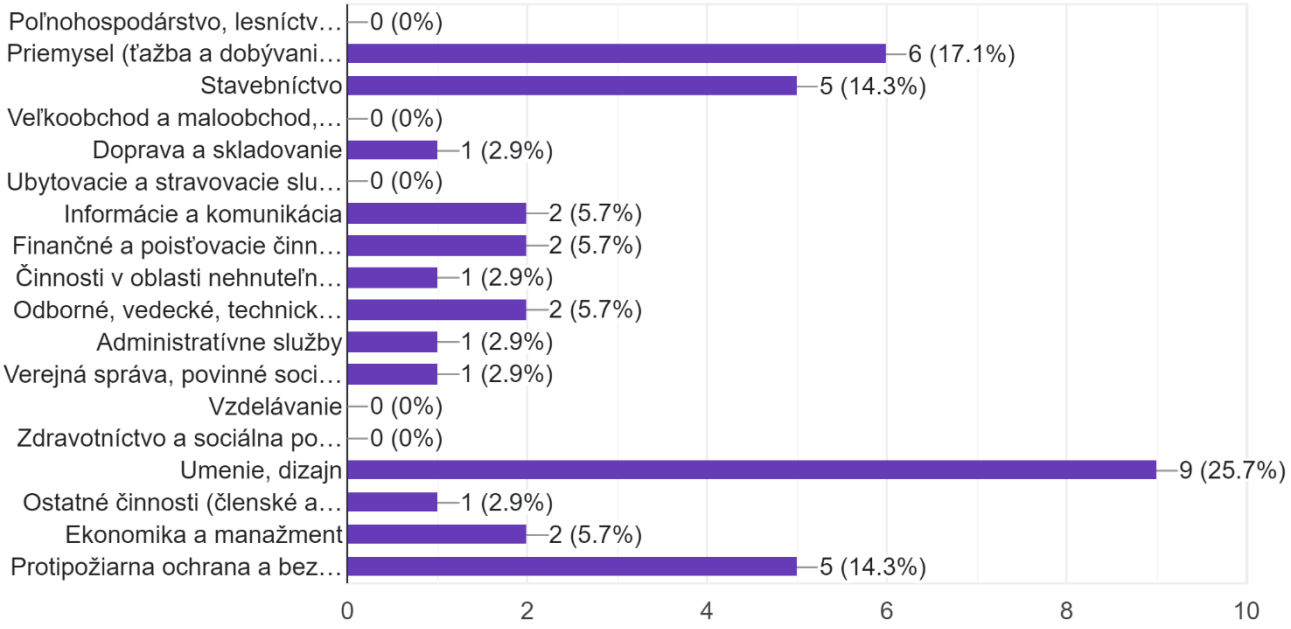
Only 38% of graduates reported working in the woodworking and related industries. Specific activities include the following: design activities, furniture manufacturing, interior design, wood construction design, and management and managerial functions in DSP.

Tab. IV-3 Employment overview by completed study programme

Completed study programme	Employee/ Entrepreneur	
	N	%
Wood Engineering	3	100 %
Creation and construction of furniture	2	100 %

Timber and Wood Structures	5	100 %
Economics and Business Management DSP	10	100 %
Fire protection and safety	8	88%
Furniture and interior design	8	100%

An overview of the sectors in which working graduates have found employment is given in Tab. IV- 4.



Tab. IV-4 Employment of graduates by sector

Due to the relatively small return rate of the questionnaire and when comparing the results with the statistical data collected on graduates by the Ministry of Education and Science from the social insurance office 6 months after graduation, it is clear that a number of graduates remain voluntarily unemployed for a number of reasons that are beneficial to them. Based on an individual survey of a small sample of graduates contacted, the main justification is to gain the opportunity to draw on various forms of state support to set up a trade. Another group prefers gaining experience on foreign internships to employment, while remaining registered in Slovakia as unemployed. For this reason, the statistical data, which may appear to the detriment of some study programmes, do not correspond to the actual state of employability in the context of employability.

IV. 5. DEVELOPMENT OF PUBLIC RELATIONS AND RELATED ACTIVITIES

The aim in the area of public relations development is to raise awareness of the DF and its promotion among the lay and professional public.

DF activities in the framework of public relations development:

- Implementation of **a survey on the employability of DF graduates** through a questionnaire survey of 2nd degree graduates.
- Organization of the **Open Day of DF 2022** in the online environment (provided by the Vice Dean for PP). Due to the COVID_19 pandemic, the entire promotion of the study was moved to the online space of the virtual DODs of external processors and advertising in the print newspapers SME and Pravda, My Zvolen (https://www.narodnekariernecentrum.sk, www.vysokeškoly.sk, etc.) was arranged.
- Promotion of study fields on social networks, in the media, paid advertising.
- Promotion of DF and DF news via **Facebook, Instagram** and the university website.
- Educational exhibitions and information on study opportunities at the DF - conducted online and in a face-to-face format (more in the VVC 2022 Annual Report).
- Promotion of timber companies in the premises of DF.
- **Cooperation in the field of digital marketing of TUZVO - PROGNESSA agency,** creation of the structure of presentations for the promotion of study fields at the Faculty of Wood Sciences and Technology of TUZVO within social networks.
- **CONECO-RACIOENERGY** in Bratislava 23-26 March 2022
- **Technitra 2022 - International Engineering Fair NITRA**: DF in cooperation with the departments of DF presented selected activities within the presentation stand 24 - 27.5 2022 .
- **MZVEZ SR** - From Regions to the World in the Banská Bystrica Self-Governing Region on 22 June 2022, selected innovations and projects were presented at the DF.
- **NIGHT OF RESEARCHERS 2022** - Europa Shopping Center in Banská Bystrica, scientific stand "We have wood in our hearts" 30.9. 2022
- **Woodworking Faculty NIGHT 2022**
  DF joined the **Week of Science and Technology in Slovakia**. Within the framework of this week, on 10 November 2022, the third edition of the **NOC DF** event was organized, which included a presentation of all 12 departments to the Woodworking public. The event was attended by an estimated 250 visitors and met with a positive response from the public. The following companies were partners and exhibitors at the event:
  DECODOM, spol. s r.o.
  SECA s.r.o., Borohrádek, Czech Republic
  Idona spol. s r. o.
  twd SK, s. r.o.
  RETTENMEIER TATRA TIMBER, s. r. o.
  Industrial Property Office BB
  SHP Harmanec, a.s.
    - ***<u>The 70th anniversary of the Faculty of Wood Sciences and Technology was celebrated as part of the NOC DF event.</u>***

- To celebrate the 70th anniversary of DF, **authentic DF 1952 marketing items were designed**: merge - **DF 1952 sweatshirts** available for students and staff, as well as an authentic gift item **MISKA-SKLADAČKA "we have wood in our hearts**" - made in TUZVO.

<u>HOME AWARDS 2021</u>

Department of Furniture and Interior Design

INSAID AWARDS 2022
Slovak Association of Interior Designers (SAID), Bratislava
In the category "Student - student interior work" the jury nominated 10 projects, 5 of which were from KDNI, awarded student concepts under the supervision of doc. Ing. Zuzana Tončíková, ArtD.:
1. Mgr. art. Katarína Csúzová - Biophilia in space (PhD student)
2. Mgr. Art. Terézia Kováčiková - Martian Habitat (student)

Wallenrod ITB Development (Mickiewiczová 9), Bratislava, 03. 11. 2022
Announcement of the awarded works and authors of INSAID AWARDS 2022 by the jury.

FOREIGN AWARDS 2022

Department of Fire Protection
Requested lecture - doc. Ing. Eva Mračková, PhD. - Determination of fire resistance of fire closures by large-dimensional tests.Sdružení požárního a bezpečnostního inženýrství, z.s. se sídlem VŠB - TU Ostrava, ČR

Department of Wood Technology
Requested lecture - prof. Ing. Roman Réh, CSc.;
Title: Wood-Based Composite Materials: Current State and Perspectives
Poznań University of Life Sciences, Faculty of Forestry and Wood Technology, Department of Mechanical Wood Technology, Poznań, Poland
Responsible person: dr. hab. eng. Dorota Dukarska
Lecture date: 11 April 2022

Department of Furniture and Interior Design
Vernissage, exhibition - 18th International Student Competition in Furniture and Interior Design Professor Jindřich Halabalu Prize 2022

Main Prize in the category "Interior Design - Thesis" (07. 11. 2022)
Bc. Margaréta Janovcová - Active and passive space / Cultural and social centre Sása Thesis supervisor. Mgr. Lucia Spišiaková Kružlicová

IV. 6. TABULAR ANNEX

Tab. IV-1 Overview of recruited and seconded staff by mobility focus in 2022

Type of journey	Adoption	Posting
Direct cooperation	3	17
Conferences, symposia, congresses	59	31
Study stays	2	1
Lecture stays	-	1
Competitions, exhibitions, excursions	10	19

Consultations on international projects	5	2
Other (consultations, VUR, training, education, opposition)	6	12
Erasmus	20	40
Detached office in Volyn	6	18
TOTAL for 2022	**111**	**141**
TOTAL for 2021	5	29
TOTAL for 2020	14	23

Tab. IV-2 Aggregate number of recruited staff in the DF for 2022

State	Study stay	Direct cooperation	Erasmus	Conference	Competitions, exhibitions	Total
Belgium	0	0	0	2	0	2
CZECH REPUBLIC	0	18	5	20	10	53
Finland	0	0	2	0	0	2
Croatia	0	0	0	1	0	1
Hungary	0	0	4	0	0	4
Poland	2	0	2	34	0	38
Romania	0	0	1	0	0	1
Serbia	0	0	1	0	0	1
Turkey	0	0	3	1	0	4
Ukraine	0	1	0	0	0	1
Iran	0	0	0	1	0	1
Costa Rica	0	0	1	0	0	1
USA	0	0	1	0	0	1
Malaysia	0	1	0	0	0	1
TOTAL 2022	**2**	**20**	**20**	**59**	**10**	**111**

18 people participated in the online form of the SVOČ - they are included in the total number of 111

Tab. IV-3 Cumulative number of seconded DF staff for 2022

State	Cooperation stays	Conferences, symposia, congresses	ERASMUS	Total
Bulgaria	0	1	1	2
Czech Republic	52	24	13	89
Finland	0	0	2	2
Greece	1	0	0	1
Ireland	2	0	5	7
Hungary	1	0	0	1
Germany	2	0	1	3
Norway	1	0	0	1
Poland	1	1	10	12

Portugal	0	0	1	1
Austria	7	0	2	9
Slovenia	0	0	2	2
Italy	0	2	0	2
Turkey	1	0	0	1
Mongolia	1	0	0	1
India	1	0	0	1
Australia	0	1	0	1
Japan	0	2	0	2
Costa Rica	0	0	2	2
USA	0	0	1	1
TOTAL for 2022	**70**	**31**	**40**	**141**
TOTAL for 2021	14	5	10	29
TOTAL for 2020	21	2	10	33

Tab. IV-4 ERASMUS Teacher mobility - Teaching in 2022

Participant's name	Last name of the participant	Receiving institution	Receiving country	Start date	Date of completion
Zuzana	Toncikova	Purdue University	USA	24.4.2022	6.5.2022
Milos	Hitka	VŠTE in Č. Budějovice	CZECH REPUBLIC	26.4.2022	29.4.2022
Richard	Kminiak	Fachhochschule Salzburg	Austria	2.5.2022	6.5.2022
Ľuboš	Krišťák	Fachhochschule Salzburg	Austria	2.5.2022	6.5.2022
Eva	Mračková	VŠB Ostrava	CZECH REPUBLIC	30.5.2022	31.5.2022
Ľuboš	Krišťák	University of Life Sciences	Poland	15.3.2022	18.3.2022
Richard	Kminiak	University of Life Sciences	Poland	15.3.2022	18.3.2022
Rene	Baďura	CENTRIA	Finland	25.3.2022	29.3.2022
Roman	The note	CENTRIA	Finland	25.3.2022	29.3.2022

Tab. IV-5 ERASMUS teacher mobility - training in 2022

Participant's name	Surname of the participant	Receiving institution	Receiving country	Start date	Date of completion
Veronica	Velkova	Europass AcademyLtd.	Ireland	20.2.2022	26.2.2022
Andrea	Majling	Europass AcademyLtd.	Ireland	20.2.2022	26.2.2022
Ivan	Clement	ČZU Prague	CZECH REPUBLIC	4.4.2022	7.4.2022
Viera	Kučerová	ČZU Prague	CZECH REPUBLIC	19.4.2022	22.4.2022
Jan	Izhdinsky	TU Dresden	Germany	25.4.2022	29.4.2022
Rastislav	Luggage	Neaspec-Attocube Systems AG	Germany	17.5.2022	20.5.2022

Silvia	Nemcová	Gdansk University of Technology	Poland	17.5.2022	20.5.2022

Adrian	Banski	Gdansk University of Technology	Poland	17.5.2022	20.5.2022
Michal	Dudiak	Gdansk University of Technology	Poland	17.5.2022	20.5.2022
Gabriela	Slabejová	ČZU Prague	CZECH REPUBLIC	19.5.2022	24.5.2022
Zuzana	Vidhold	ČZU Prague	CZECH REPUBLIC	23.5.2022	26.5.2022
Iveta	Chabalova	SGGW	Poland	14.9.2022	18.9.2022
Viera	Kučerová	SGGW	Poland	14.9.2022	18.9.2022
Hubert	Palush	University of Ljubljana	Slovenia	15.9.2022	19.9.2022
Jan	Parobek	University of Ljubljana	Slovenia	15.9.2022	19.9.2022
Andrea	Majling	VŠB Ostrava	CZECH REPUBLIC	16.5.2022	19.5.2022

Tab. IV-6 ERASMUS mobility of incoming teachers and staff in 2022

Participant's name	Surname of the participant	Sending organisation	Sending country	Start date	Date of completion
Eva	Haviarová	Purdue University	USA	10.5.2022	20.5.2022
Joseph	Mitterpach	ČZU Prague	CZECH REPUBLIC	2.5.2022	31.5.2022
David	Novák	ČZU Prague	CZECH REPUBLIC	6.6.2022	1.7.2022
Luke	Sahul	ČZU Prague	CZECH REPUBLIC	6.6.2022	1.7.2022
Bartosz	Palubicki	Poznan University of Life Sciences	Poland	12.9.2022	16.9.2022
Kaija	Archio	CENTRIA	Finland	4.4.2022	10.4.2022
Marja-Lisa	Kakko	CENTRIA	Finland	4.4.2022	10.4.2022
Iikka	Rasehorn	CENTRIA	Finland	4.4.2022	10.4.2022
Vlastimil	Boruvka	ČZU Prague	CZECH REPUBLIC	16.5.2022	20.5.2022
Olgun	Cagri	Kastamonu University	Turkey	4.4.2022	7.4.2022
Gergo	Érces	University of Public Service	Hungary	24.1.2022	28.1.2022
Sándor	Rácz	University of Public Service	Hungary	24.1.2022	28.1.2022
Péter	Panties	University of Public Service	Hungary	24.1.2022	28.1.2022
Gergo	Érces	University of Public Service	Hungary	27.9.2022	3.10.2022
Sándor	Rácz	University of Public Service	Hungary	27.9.2022	3.10.2022

Tab. IV-7 ERASMUS mobility of incoming students in 2022

Participant's name	Surname of the participant	Sending organisation	Sending country	Start date	Date of completion
Alexandra	Lazarevic	University of Belgrade	Serbia	4.4.2022	5.6.2022
Santa	Forslund	CENTRIA	Finland	4.4.2022	10.4.2022

Johana	Kresti	CENTRIA	Finland	4.4.2022	10.4.2022
Laura	Hirsivara	CENTRIA	Finland	4.4.2022	10.4.2022
Luke	Sahul	ČZU Prague	CZECH REPUBLIC	6.6.2022	7.7.2022

Tab. IV-8 ERASMUS mobility of outgoing students in 2022

Participant's name	Last name of the participant	Receiving organisation	Receiving country	Start date	Date of completion
Patrik	Priadka	The Bella Vista Hotel	Greece	13.6.2022	31.8.2022
Alexandra	Horváthová	Motion Design Studio	CZECH REPUBLIC	20.6.2022	20.9.2022
Patrícia	Pančíková	Woodwork Service, s.r.o.	CZECH REPUBLIC	20.6.2022	20.9.2022
Elena	Kmetova	Technical Institute of Fire Protection	CZECH REPUBLIC	21.8.2022	31.8.2022
Rastislav	Cherry	LABELLA UAS	Finland	5.1.2022	29.5.2022
Simona	Hanes	CENTRIA	Finland	25.3.2022	29.3.2022
Patrícia	Pancikova	CENTRIA	Finland	25.3.2022	29.3.2022
Melissa	Poláčková	Mendel University	CZECH REPUBLIC	7.2.2022	3.7.2022
Alexandra	Horváthová	CENTRIA	Finland	25.3.2022	29.3.2022
Nicolas	Snake	CENTRIA	Finland	25.3.2022	29.3.2022
Theresia	Kováčiková	CENTRIA	Finland	25.3.2022	29.3.2022
Patrik	Mazur	CENTRIA	Finland	25.3.2022	29.3.2022