

**FACULTY OF FORESTRY, TECHNICAL UNIVERSITY OF ZVOLEN**

**ANNUAL REPORT OF THE EXTERNAL RELATIONS OF  
THE FACULTY OF FORESTRY TU ZVOLEN FOR THE  
YEAR 2021**

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Zvolen, March 2022

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## 1. INTRODUCTION

Within the framework of the approved Long-term plan of the Technical University in Zvolen for 2017 - 2023 in the area 3 "Public Relations, National and International Cooperation", the Faculty of Forestry implemented in 2021 steps with the aim of improving the image of the faculty, strengthening national and international cooperation and thus creating a "goodwill" of this educational and scientific research institution.

The individual tasks focused on:

- popularization of the results of scientific research, pedagogical and other activities of the faculty towards the general professional and lay public,
- promotion of the Faculty through press and scientific conferences, television programmes, special editions of newspapers and professional journals,
- cooperation with economic and social practice, the region and the city of Zvolen,
- promotion of sustainable forest management in Slovakia,
- support for student and faculty staff mobility,
- cooperation with universities close to the V4 countries, the EU and international organisations.

These are activities with a long-term strategic intent. The Faculty of Forestry (FF) approaches their implementation purposefully and responsibly. The Faculty of Forestry has continued to popularise its scientific research activities through its own updated websites: [www.lesnickyvyskum.sk](http://www.lesnickyvyskum.sk) and [www.lesnickekruzky.sk](http://www.lesnickekruzky.sk), as well as through social networking channels. The Faculty continued to amplify its outreach through increased participation in television and print media. It promoted nature-based forest management and ecosystem services through participation in major international research outputs as well as research studies for economic practice. Communicated continuously with economic practice regarding the employment of our graduates in the labour market, mainly in the forestry sector.

The faculty also emphasizes the mobility of its student teachers in order to support their personal progress. However, due to the ongoing global pandemic of COVID-19 throughout 2021, the participation of students and faculty in academic mobility in the Erasmus + programme has been significantly reduced.

In the field of marketing strategy, the activities within the "Social Media Strategy of the Faculty of Forestry, TU Zvolen" continued in 2021 despite the pandemics. In the evaluation year 2021, the process improved again in the area of relations in the external environment towards the professional and lay public, the effect of which is in the creation of a positive image and goodwill of the Faculty of Forestry. Thus, the Faculty has continuously successfully implemented its branding strategy under the motto: *"Together for a sustainable future"*, which it carries in its logo.

## **2. IMPLEMENTATION OF THE TASKS APPROVED BY THE SCIENTIFIC BOARD OF THE FF FOR EXTERNAL RELATIONS IN 2021**

In 2021, the strategy of promoting and motivating the personal growth of students in order to increase their employability on the labour market, as well as the scientific and pedagogical staff of the faculty in order to achieve quality in their teaching and research activities, was continued. *In view of the year-round pandemic due to COVID-19, it was necessary to continuously adapt marketing activities towards secondary school students, students of the Faculty of Forestry, their potential employers, as well as the scientific and pedagogical staff of the Faculty.* Efforts were made to encourage, motivate students in their distance learning, promote the quality of the offered online/commented lectures and tutorials, promote scientific and other important outputs of the faculty's eminent students and scientists in TV and print media, as well as on social networks in the form of paid advertising.

### **Task 1**

#### ***Promoting the quality of online education and motivating students in distance learning***

Continue to promote and motivate the personal growth of FF students in order to increase their employability in the labour market with tailored marketing tools in the light of the global pandemic:

- telephone or online communication with potential employers in the LH sector,
- meeting with students in the form of online meetings,
- Implementation and promotion of quality online education,
- Motivating lectures for mastering distance learning in the form of online coaching,
- Active online networking for clubs, project activities, mobility and social marketing.

Similarly, for the scientific and pedagogical staff of the Faculty of Forestry, online coaching, active online networking for online mobility and social marketing were used to achieve quality in teaching and research activities.

#### **Rating:**

During the distance learning parts of each semester, we supported students as well as staff through online mental coaching, i.e. an on-demand workshop by Mgr. Petr Bielik and also for coping with the pitfalls of distance learning in the form of a lecture by Dr. Tomáš Eichler. The students met with the faculty management through regular online meetings with the requested feedback from the students towards improving the pedagogical process during the distance form of education. We maintained an active online networking for ring, research activities of the faculty members and supported international mobility.

### **Task 2**

#### ***Promotion of interdepartmental as well as interfaculty scientific teams and their outputs***

Based on the strong support of the new category of the FF SVOČ focused on theses containing elements of innovation, students will be guided for teamwork under the responsibility of their supervisors between departments or faculties and subsequently selected for the formation of

spin-off project teams. The implementation will be adapted for an electronic environment within available software solutions with promotion of the outputs through multiple faculty communication channels (print and TV media). In the same way, these students will be able to participate in other projects, e.g. with the city of Zvolen in the framework of building green infrastructure in the city's intramural area, as well as in international projects of the faculty. Similarly, the aim is to develop this activity among the scientific and teaching staff towards achieving a higher competitiveness of the submitted research projects.

**Rating:**

Due to the predominantly distance learning format in 2021 as well as the online form of the faculty FTES itself, it has proven not to be a conducive environment for the implementation of interdepartmental and interfaculty research projects of our students. However, the faculty has not abandoned the organization of the SVOČ itself with proper student outputs for their further personal growth and the necessary input for doctoral studies.

**Task 3**

***Building relationships with secondary schools and international educational and research institutions, with an emphasis on the electronic environment***

Promotion of the faculty at the international level in two basic areas: scientific activities (electronic and personal promotion of scientific teams at professional forums) and study opportunities, faculty environment (modern and creative interior of TUZVO, online brochures, online fairs, international student activities, Erasmus+, CEEPUS) in conjunction with the city of Zvolen (green infrastructure and biotechnological innovations). Cooperation with secondary schools and involvement of their students in the faculty's SVOČ and research projects with emphasis on the online environment ([www.lesnickyvyskum.sk](http://www.lesnickyvyskum.sk)). Efforts to establish individual top faculty researchers and their teams within international structures of institutions such as EFI and IUFRO.

**Rating:**

Relationship building with secondary schools has been limited due to the global pandemic and the anti-pandemic measures taken. It was largely conducted online through MS Teams or Zoom software products. Similarly, participation of secondary schools in the faculty SHSC was discontinued. Despite all the obstacles, we managed to keep the attention of the students in the individual FF circles, e.g. through shared circle activities in the students' home environment, the creation of new video promotional materials for secondary schools placed on the FF website as well as on the FF YouTube channel, and the online presentation of study opportunities at selected secondary schools.

### 3. FOREIGN COOPERATION AGREEMENTS

Cooperation between the Faculty of Forestry and foreign partners is implemented on the basis of bilateral and multilateral treaties, agreements, memoranda and programmes. On the basis of these agreements, various types of academic mobility of the Faculty's staff and students take place. Table 1 gives an overview of the bilateral agreements of the ERASMUS+ programme, which is an ongoing project to implement various types of mobility in the European Higher Education Area.

**Tab.1** Bilateral ERASMUS+ contracts

See	Institution	State	Area of cooperation
1.	Lesotechnicheski Universitet University of Forestry Sofia	Bulgaria	Forestry, Environmental science, Engineering, Materials - wood
2.	Mendel University in Brno Mendel University in Brno	Czech Republic	Forestry, Environment, Materials - wood
3.	Jan Evangelista Purkyně University in Ústí nad Labem	Czech Republic	Environmental sciences, Ecology,
4.	Czech Agricultural University in Prague Czech University of Life Science Prague	Czech Republic	Forestry, Environment, Forestry Business and Administration, Engineering
5.	Masaryk University Brno	Czech Republic	Earth Sciences
6.	University of Ostrava - University of Ostrava	Czech Republic	Earth Sciences
7.	University of Zagreb - Faculty of Forestry	Croatia	Forestry, Materials - wood
8.	Karelia University of Applied Sciences	Finland	Forestry, Engineering
9.	University of Helsinki	Finland	Forestry
10.	University of Eastern Finland	Finland	Forestry, Environmental sciences
11.	Seinajoki University of Applied Sciences	Finland	Forestry
12.	Agroparistech - Institut des sciences et industries du vivant et de l'environnement	France	Forestry
13.	Université de Lorraine ENSTIB	France	Forestry
14.	Aristotle University of Thessaloniki	Greece	Forestry
15.	Latvia University of Life Sciences and Technologies	Latvia	Forestry, Environmental sciences, Natural environments and wildlife
16.	University of West Hungary	Hungary	Forestry, Earth Science
17.	Eötvös Loránd University	Hungary	Earth Science
18.	Szent István University	Hungary	Environment
19.	Georg-August-Universität Göttingen	Germany	Forestry
20.	Technische Universität Dresden	Germany	Forestry, Materials (Wood)
21.	Technical University of München	Germany	Forestry
22.	Hochschule Ostwestfalen-Lippe	Germany	Materials - wood
23.	Inland Norway University of Applied Sciences	Norway	Forestry, Environment
24.	Norwegian University of Science and Technology	Norway	Environmental Sciences, Engineering, Technology
25.	Poznan University of Life Sciences	Poland	Forestry, Environmental sciences, Engineering
26.	University of Agriculture in Krakow	Poland	Forestry, Environment
27.	Universidade de Lisboa	Portugal	Forestry, Agriculture, fisheries
28.	Universidade de Évora	Portugal	Forestry, Geodesy, Cartography, Remote sensing
29.	Instituto Politécnico de Portalegre	Portugal	Forestry
30.	BOKU-Universität für Bodenkultur Wien	Austria	Forestry, Environmental science
31.	Universitatea Transilvania Transilvania University of Brasov	Romania	Forestry, Materials (Wood)
32.	University of Ljubljana	Slovenia	Forestry, Material Science (Wood)
33.	Universidad Politécnica de Madrid	Spain	Forestry, Earth Science
34.	Universitat Politècnica De València	Spain	Forestry
35.	Università Degli Studi Di Sassari	Italy	Biology and Genetics, Environmental Sciences, Ecology
36.	Kastamonu University	Turkey	Forestry
37.	Karadeniz Technical University	Turkey	Forestry

Table 2 lists other international agreements that have been concluded mainly for scientific and technical cooperation, but their focus also allows for student and staff mobility. Most of these agreements are of a framework nature; specific activities are subsequently provided for in the form of separate projects and amendments to these agreements.

Traditionally, our cooperation with partner forestry faculties in the Czech Republic - Faculty of Forestry and Wood Technology MU in Brno, Faculty of Forestry and Wood Technology ČZU in Prague - is already rich. It is necessary to mention the mutual memberships and visits to the SC of the faculties, defences, etc. These activities are covered by institutional funds as well as faculty projects, which is an expression of support and willingness for mutual cooperation.

It should be noted that there are foreign activities that may not be merely contractual. Many faculty members meet and collaborate with foreign counterparts at the departmental level, based on personal contacts and friendships.

**Table 2** Other international treaties and cooperation agreements

See	Institution	State	Area of interest
1.	University of Forestry Sofia	Bulgaria	Academic cooperation agreement
2.	Czech University of Agriculture Prague	Czech Republic	Agreement on scientific-pedagogical cooperation
3.	Mendel University of Agriculture and Forestry in Brno	Czech Republic	Cooperation agreement
4.	Global Change Research Centre of the CAS	Czech Republic	Cooperation agreement
4.	Faculty of Forestry, University of Zagreb	Croatia	Cooperation agreement
5.	Sallahadin University, Kurdistan Region of Iraq	Iraq	Scientific cooperation in forestry, natural resources, nature and landscape conservation, exchange of students and teachers
6.	University of West Hungary, Sopron	Hungary	Cooperation Agreement on Education and research
7.	Georg-August University of Göttingen	Germany	Framework agreement on scientific cooperation
8.	Technical University of Dresden	Germany	Cooperation agreement
9.	Agricultural University of Cracow	Poland	Framework cooperation agreement
10.	Universität für Bodenkultur Vienna	Austria	Cooperation agreement
11.	Izhevsk State Technical University of M. T. Kalashnikov, Izhevsk	Russian Federation	Cooperation agreement
12.	North-Eastern Federal University M. K. Ammosova, Yakutsk	Russian Federation	Cooperation agreement

The Faculty of Forestry has signed several memoranda of cooperation with major international institutions and universities, which focus on academic mobility, mutual exchange of knowledge and scientific publications, work on scientific projects focused on bilateral and multilateral grants.

At the level of the Technical University in Zvolen, an important Memorandum of Cooperation was signed between the TUZVO and the JRS in Ispra (Joint Research Centre of the EC), in which the FF has a leading position both in terms of content and focus. The cooperation between the institutions was divided into the following areas:

- Forest ecosystem services and biodiversity
- Forestry and climate change
- Sustainable use of forests under uncertainties
- Bio-economy in forestry
- Timber as ecosystem service for buildings and bio-energy
- Applied geoinformatics and Decision support systems in Forestry

**Table 3** Memoranda of Cooperation

See	Institution	State
1.	University of Agriculture in Kraków, Faculty of Forestry	Poland
2.	Institute of Biosciences and BioResources, Firenze	Italy
3.	Aurora Research Institute of the Aurora College, Inuvik	Canada
4.	Mendel University in Brno	Czech Republic
5.	Institute of International Forestry and Forest Products, Dresden	Germany
6.	ARO Volcani Center, Bet Dagan	Israel
7.	Forest National Corporation, Ministry of Agriculture and Forestry	Sudan
8.	University of Khartoum, Faculty of Forestry, Khartoum	Sudan
9.	College of Forestry and Range Science, Sudan University of Science and Technology, Khartoum	Sudan

#### 4. MEMBERSHIP OF INTERNATIONAL ORGANISATIONS AND GOVERNING BODIES OF INTERNATIONAL SCIENTIFIC PROGRAMMES

The Faculty of Forestry and its staff are members of several international organisations, scientific programmes, scientific and professional societies. An overview of the most important positions is given in Table 4-6. These positions do not change significantly from year to year, although an increase can be observed in the longer term.

**Table 4** International NGOs

Name of organisation	Name	Position
European PRO SILVA Committee	prof. Ing. Milan Saniga, DrSc.	Member
IUFRO	doc.Mgr.Ing.Rastislav Šulek,PhD.	coordinator of research group Forest law and environmental legislation, member of International Council
	prof. Dr. Ing. Jaroslav Šálka	Deputy Coordinator of the Forest Policies Group in the Baltic States and Central and Eastern Europe
	doc. Ing. František Máliš, PhD.	Member unit 1.03.01- Traditional coppice, ecology, silviculture and socioeconomic aspects
	prof.h.c. prof. Dr. Ing. Viliam Pichler	Member
International Council for Game and Wildlife Conservation (CIC)	Ing. Tibor Lebocký, PhD.	Head of the Slovak delegation, international expert for trophy evaluation
International Association of Vegetation Science	doc. Ing. František Máliš, PhD.	Member of the Historical Vegetation Ecology working group
Research Policy Working Group EUA	Dr h.c. prof. Ing. Rudolf Kropil, PhD.	committee member
ForestReplot - a database of forest herb layer resurvey plots	doc. Ing. František Máliš, PhD.	National Platform Coordinator

**Tab. 5** Scientific programmes

Programme name	Name	Position
H2020 Critical solutions for elderly well-being RISE-WELL	prof.h.c. prof. Dr. Ing. Viliam Pichler	Co-investigator
H2020 Holistic management practices, modelling and monitoring for European forest soils, HoliSoils	Ing. Michal Bošeľa, PhD. doc. Ing. Erika Gömöryová, CSc. prof. Ing. Jaroslav Škvarenina, CSc. Ing. Marián Homolák, PhD. doc. Ing. Jaroslav Vido, PhD. Ing. Pavlína Nalevanková, PhD. doc. Ing. Peter Fleischer, PhD. Ing. Peter Fleischer, PhD. Ing. Peter Marčíš	Co-investigators

H2020 Integrated Technological and Information Platform for wildfire Management (SILVANUS)	Dr. Ing. Yvonne Brodrecht	Principal Investigator
LTER Long-term Ecological Research Europe	doc. Ing. Peter Fleischer, PhD.	member of a national body
LIFE16 NAT/SI/000634 Preventing the extinction of Dinario-SE Alpine lynx population through reinforcement and long-term conservation	Dr. h. c. prof Ing. Rudolf Kropil, PhD. Mgr. Jakub Kubala, PhD.	project manager coordinator of professional activities
COST Action CA 20132 - Urban Tree Guard - Safeguarding European urban trees and forests through improved biosecurity	JUDr. Mgr. Zuzana Dobšínská	Member of the working group
COST Action CA 20132 - Intergovernmental Coordination from Local to European Governance (IGCOORD)	prof. Dr. Ing. Jaroslav Šálka	Member of the working group
COST Action CA15206 Payments for Ecosystem Services - Forests for Water (PESFOR-W)	prof. Dr. Ing. Jaroslav Šálka	Member of the working group
COST Action CA 19128 Pan-European Network for Climate Adaptive Forest Restoration and Reforestation (PEN-CAFORR)	prof. Ing. Dušan Gömöry, DrSc.	member of the management committee
COST Action CA15226 Climate smart forestry in mountain regions (CLIMO)	doc. Ing. Peter Fleischer, PhD. doc. Ing. Katarína Střelcová, PhD. Ing. Michal Bošća, PhD.	Member of the working group
COST Action CA18134 Genomic Biodiversity Knowledge for Resilient Ecosystems (G.BIKE)	Ing. Peter Klinga, PhD.	Member of the Monitoring of genetic diversity working group
COST Action CA16208 Knowledge conversion for enhancing management of European riparian ecosystems and services (CONVERGES)	doc. Ing. František Máliš, PhD.	member of the management committee in the position of substitute member
COST Action CA19139 Process-based models for climate impact attribution across sectors (PROCLIAS)	doc. Ing. Ján Merganič, PhD.	management committee representative
COST Action CA18237 European Soil-Biology Data Warehouse for Soil Protection (EUDaphobase)	doc. Ing. Erika Gömöryová, CSc.	Member of the working group
EUFORGEN European forest genetic resources programme	prof. Ing. Dušan Gömöry, DrSc.	Member of the working group

**Table 6** Scientific and professional societies

Name of organisation	Name	Position
British Ornithologist Union	RNDr. Martin Korňan, PhD.	Member
Carpathian Convention Working Group on Biodiversity	Mgr. Jakub Kubala, PhD.	Member
Czech Academy of Agricultural Sciences, Economic Commission	prof. Ing. Iveta Hajdúchová, PhD.	Member
	prof. Ing. Ján Holécy, CSc.	Member
	prof. Dr. Ing. Jaroslav Šálka	Member
Czech Bioclimatological Society	prof. Ing. Jaroslav Škvarenina, CSc.	Member
Czech Botanical Society	doc. RNDr. Judita Kochjarová, CSc.	Member
	Mgr. Pavel Širka, PhD.	Member
European Economic and Social Committee Brussels	Dr h.c. prof. Ing. Rudolf Kropil, PhD.	Member of the Bureau
NAT Economic and Social Committee	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	Member
ECO Economic and Social Committee	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	Member
REX Economic and Social Committee	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	Member
SOC Economic and Social Committee	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	Member
European Ornithologist Union	RNDr. Martin Korňan, PhD.	Member
European Forest Institute	prof. Dr. Ing. Jaroslav Šálka	SR representative in the Forest Policy Research Network
ERGA European Reference Genome Atlas	Ing. Peter Klinga, PhD.	Member
European Universities Association	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	committee member
German Ornithologist Union	RNDr. Martin Korňan, PhD.	Member

FACE European Federation for Hunting and Conservation	Ing. Tibor Lebocký, PhD.	Head of Delegation of the Slovak Republic
FESPB Federation of European Societies of Plant Biology	prof. Ing. Jaroslav Kmet'j, PhD	Member
IAVS European Vegetation Survey	prof. Ing. Karol Ujházy, PhD.	Member of the working group
IAVS Historical Vegetation Science	prof. Ing. Karol Ujházy, PhD.	Member of the working group
International Association of Bryologists	Mgr. Pavel Širka, PhD.	Member
International Association for Economics and Management in Wood Processing and Furniture Manufacturing - WoodEMA	doc. Ing. Miloš Gejdoš, PhD.	Member
International Association for the Study of the Commons	doc. Mgr. Ing. Rastislav Šulek, PhD.	Member
ICP Forests	doc. Ing. František Máliš, PhD.	Member of the expert panel on biodiversity and ground vegetation
	doc. Ing. Martin Pavlík, PhD.	Member
International Humic Substances Society	doc. Ing. Erika Gömöryová, CSc.	Member
International Society for Mushroom Science	doc. Ing. Martin Pavlík, PhD.	Member
International Society for Medicinal Mushrooms	doc. Ing. Martin Pavlík, PhD.	Member
International Union of Game Biologists	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	steering committee member
International Union of Soil Science	doc. Ing. Erika Gömöryová, CSc.	Member
	Ing. Marián Homolák, PhD.	Member
IPCC - Intergovernmental Panel on Climate Change, Switzerland	prof. Ing. Jaroslav Škvarenina, CSc.	expert reviewer
The Maple Society	prof. Dr. Mgr. Jaroslav Ďurkovič	Member
The European acoustics association EAA	doc. Ing. Miloš Gejdoš, PhD.	Member
Mitteuropäischen Gesellschaft für Jagdwissenschaft	doc. MVDr. Dušan Rajský, CSc.	Member of the Board of Directors and Vice President
Mitteuropäischen Instituts für Wildtierökologie	doc. MVDr. Dušan Rajský, CSc.	Member of the Board of Directors and Vice President
OEE Hungarian National Forestry Association	Ing. Tibor Lebocký, PhD.	Member
SINIF Simposio Nacional Sobre Incendios Forestales, Comité Científico-profesional, Alicante	prof. Ing. Ján Holécy, CSc.	Member of the Scientific and Expert Council
Central European Institute of Wildlife Ecology	doc. MVDr. Dušan Rajský, CSc.	Member of the Board of Directors
Wildlife Society	Dr h.c.prof. Ing. Rudolf Kropil, PhD.	Member
World Society for Mushroom Biology and Mushroom Products	doc. Ing. Martin Pavlík, PhD.	Member

## 5. MEMBERSHIP OF NATIONAL AND INTERNATIONAL EDITORIAL BOARDS AND ASSESSMENT ACTIVITIES

Faculty of Forestry staff are members of several national and international journal editorial boards, an overview of which is given in Tables 7-9. In addition to these positions, they are also invited as reviewers to assess manuscripts of articles, projects and various documents.

**Tab. 7** Domestic periodicals

Name of periodical	Name	Position
Acta Facultatis Forestalis	prof. Dr. Mgr. Jaroslav Ďurkovič	scientific editor
	prof. Ing. Marek Fabrika, PhD.	Chairman of the Editorial Board
	prof. h.c. prof. Dr. Ing. Viliam Pichler	member of the editorial board
	prof. Ing. Peter Garaj, CSc.	
	prof. Ing. Iveta Hajdúchová, PhD.	
	prof. Ing. Matúš Jakubis, PhD.	
	prof. Ing. Valéria Messengerová, CSc.	

	prof. Ing. Ladislav Paule, PhD.	Executive Editor
	prof. Ing. Milan Saniga, DrSc.	
	prof. Ing. Jaroslav Škvarenina, CSc.	
	doc. Ing. Martin Lieskovský, PhD.	
Economy and society	prof. Ing. Iveta Hajdúchová, PhD.	member of the editorial board
Folia Oecologica	prof. Ing. Dušan Gömöry, DrSc.	member of the editorial board
	doc. Ing. Róbert Sedmák, PhD.	member of the editorial board
Thaiszia - Journal of Botany	Mgr. Pavel Širka, PhD.	member of the editorial board
Meteorological journal	prof. Ing. Jaroslav Škvarenina, CSc.	member of the editorial board

**Tab. 8** Foreign and international periodicals

Name of periodical	Name	Position
Biological and Chemical Research (USA)	doc. Ing. Martin Pavlík, PhD.	member of the editorial board
Central European Forestry Journal	Ing. Michal Bošľa, PhD.	member of the editorial board, secretary and thematic editor
	prof. Ing. Dušan Gömöry, DrSc.	member of the editorial board
	doc. Ing. Erika Gömöryová, CSc.	member of the editorial board
Diversity	RNDr. Martin Korňan, PhD.	reviewer board member
Forests	doc. Mgr. Ing. Rastislav Šulek, PhD.	topic editor
	prof. Ing. Dušan Gömöry, DrSc.	member of the editorial board
	Ing. Michal Bošľa, PhD.	theme editor
	doc. Ing. Miloš Gejdoš, PhD.	topical advis member. board
Newsletter for Sumatran experiments	prof. Ing. Milan Saniga, DrSc.	member of the editorial board
Journal of Central European Agriculture	Dr. h. c. prof. Ing. Rudolf Kropil, PhD.	member of the editorial board
Journal of Forest Science	prof. Ing. Marek Fabrika, PhD.	member of the editorial board
Journal of Plant Interactions	prof. Ing. Karol Ujházy, PhD.	member of the editorial board
Pedosphere Research	doc. Ing. Erika Gömöryová, CSc.	member of the editorial board
Plos One	prof. Ing. Dušan Gömöry, DrSc.	member of the editorial board
	Ing. Michal Bošľa, PhD.	member of the editorial board and academic editor
Summarizing	prof. Ing. Dušan Gömöry, DrSc.	member of the editorial board
The Sumatran Journal	prof. Ing. Milan Saniga, DrSc.	member of the editorial board
Forestry Research Reports	prof. Ing. Milan Saniga, DrSc.	member of the editorial board

**Tab. 9** Professional periodicals

Name of periodical	Name	Position
Biology	doc. RNDr. Judita Kochjarová, CSc.	member of the editorial board
Magazine Mobility-machinery-technology-ecology	prof. Ing. Iveta Hajdúchová, PhD.	member of the editorial board
Hunting and fishing	doc. MVDr. Dušan Rajský, CSc.	Chairman of the Editorial Board
Slovak Raptor Journal	Dr h. c. prof. Ing. Rudolf Kropil, PhD.	Vice-President

Tichodroma	doc. Ing. Peter Lešo, PhD.	member of the editorial board
	RNDr. Martin Korňan, PhD.	member of the editorial board

Among other significant activities of the faculty members in this part it is necessary to mention:

- membership in the editorial board of the Bulletin of the Slovak Botanical Society - doc. RNDr. Judita Kochjarová, CSc.
- membership of the scientific board of the journal Manažment podnikov - Management of Companies - doc. Ing. Vladimír Štollmann, CSc., PhD.
- Editor of the special issue Qualitative Features of Wood as a Determinant for Wood Quality Assessment ([https://www.mdpi.com/journal/forests/special\\_issues/wood\\_assessment](https://www.mdpi.com/journal/forests/special_issues/wood_assessment)), journal Forests - doc. Ing. Miloš Gejdoš, PhD.
- guest editor of the special issue of the journal Forests on the topic "Circular Bioeconomy in Forest-Based Sector: Governance and Policy" - JUDr. Mgr. Mgr. Zuzana Dobšínská, PhD.
- guest editor of the special issue of Sustainability magazine on "Forest Policy and Management Practices for the 21st Century" - JUDr. Mgr. Zuzana Dobšínská, PhD.

#### **Membership in doctoral study boards, scientific boards, habilitation and inauguration committees:**

- MU Brno, Department of Economics and Management of Renewable Natural Resources - prof. Ing. Iveta Hajdúchová, PhD.
- ČZU Praha - inauguration proceedings doc. Ing. Vilém Jarský, Ph. D. - member of the inauguration commission - prof. Ing. Iveta Hajdúchová, PhD.
- ČZU Praha, Department of Business Management and Economics - prof. Ing. Iveta Hajdúchová, PhD. , prof. Ing. Ján Holécý, CSc., prof. Dr. Ing. Jaroslav Šálka
- Centre of Plant Biology and Biodiversity of the Slovak Academy of Sciences - member of the Scientific Board - prof. Ing. Dušan Gömöry, DrSc.
- State Nature Conservation of the Slovak Republic - member of the scientific board - prof. Ing. Karol Ujházy, PhD.
- Institute of Forest Ecology of the Slovak Academy of Sciences - member of the Scientific Board - Ing. Michal Bošela, PhD.
- MŠ MT ČR, Mendel Brno - member of the Trade Union Council - prof. Ing. Milan Saniga, DrSc.
- SPU Nitra, Faculty of Horticulture and Landscape Engineering - member of the scientific board and member of the habilitation committee - doc. Ing. Ivan Lukáčik, CSc.

#### ➤ **Other memberships:**

- Saint Petersburg State Forest Technical University - Conference devoted to the sustainable development of the industry in 2021 - member of the program committee - prof. Ing. Iveta Hajdúchová, PhD.
- Database administrator within the SoilTemp initiative - doc. Ing. František Máliš, PhD.
- Economic and Social Committee of the Slovak Republic - Chairman - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- Slovak Government Council for Science, Technology and Innovation - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- Government Council for the Recovery and Cohesion Plan - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- Government Council for the European Green Deal - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- Government Council for Cohesion Policy 2021-2027 - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- Government Council for Agenda 2030 - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- Monitoring Committee for OP VI - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.

- Scientific Council of ČZU Praha, Mendel University Brno, TU Košice, UVLF Košice, SPU Nitra, UKF Nitra, UVR AU Banská Bystrica, UMB Banská Bystrica, NLC Zvolen, CPPV Nitra - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- National Platform for Biodiversity - Dr. h. c. prof. Ing. Rudolf Kropil, PhD.
- MDPI Board Member (Reviewer Board Member) - doc. Mgr. Ing. Rastislav Šulek, PhD.
- Scientific Committee of the Conference Managerial, Social and Environmental Aspects of the Forest-based Sector for Sustainable Development: 40th Anniversary Conference - member - JUDr. Mgr. Zuzana Dobšínská, PhD.
- Croatian Academy of Sciences - Honorary Membership - prof. Ing. Milan Saniga, DrSc.
- Section DVFFA Ertragskunde - member of the working group - prof. Ing. Marek Fabrika, PhD.
- SAV commission for assessment of scientific qualification of employees - member - prof. Ing. Dušan Gömöry, DrSc.
- Institute of Forest Ecology of the Slovak Academy of Sciences - member of the attestation committee - prof. Ing. Dušan Gömöry, DrSc.
- National Forestry Centre - member of the attestation committee - prof. Ing. Dušan Gömöry, DrSc.
- Ministry of Agriculture of the Czech Republic - member of the expert board for the research project NAZV QJ1920433 "Influence of defensive measures on populations of leaf-eating beetles depending on population densities" - Ing. Pavol Hlaváč, PhD.
- Slovak Acoustical Society ri SAV - member - doc. Ing. Miloš Gejdoš, PhD.
- Council for the creation of NLF 2022-2030 "Forests and modern technologies" - coordinator of the team - doc. Ing. Ján Merganič, PhD.
- Department of Forestry SAPV - member - doc. Ing. Ján Merganič, PhD.
- OÚ Banská Štiavnica, Department of Environmental Care - member of the review committee (CHA Banská Štiavnica Botanical Garden) - doc. Ing. Ivan Lukáčik, CSc.
- Slovak Botanical Society - chairman of the dendrological section - Ing. Ivana Sarvašová, PhD.
- Slovak Bioclimatological Society - membership in the committee - doc. Ing. Katarína Štrelcová, PhD.
- Slovak Meteorological Society - membership - doc. Ing. Katarína Štrelcová, PhD.
- Slovak Academy of Agricultural Sciences - member of the Department of Forestry - doc. Ing. Erika Gömöryová, CSc.
- Societas pedologica slovacica - preparation of a new version of the Morphogenetic Classification System of Soils of Slovakia - member of the working group - doc. Ing. Erika Gömöryová, CSc.

**Table 10** Assessment of scientific publications for foreign and domestic periodicals

Name of foreign periodical	Name of the assessor
Acta Universitatis Agriculturae et Silviculturae Mendelianae Bruensis	doc. Ing. Miloš Gejdoš, PhD.
Agriculture and Forest Meteorology	Ing. Michal Bošľa, PhD.
Agronomy	doc. Ing. Peter Lešo, PhD.
Atmosphere	Ing. Denisa Sedmáková, PhD. prof. Ing. Jaroslav Škvarenina, CSc.
Biology	Mgr. Ján Kováč, PhD. doc. Ing. Erika Gömöryová, CSc.
BMC Genomics	prof. Ing. Dušan Gömöry, DrSc.
Botany	prof. Ing. Dušan Gömöry, DrSc.
Central European Forestry Journal	JUDr. Mgr. Zuzana Dobšínská, PhD. doc. Ing. Stanislav Kucbel, PhD. doc. Ing. Peter Jaloviár, PhD. doc. Ing. Erika Gömöryová, CSc. Ing. Klára Bálíková, PhD.
Croatian Journal of Forest Engineering	doc. Ing. Miloš Gejdoš, PhD.
Dendrobiology	prof. Ing. Dušan Gömöry, DrSc. Ing. Denisa Sedmáková, PhD.
Dendrochronology	Ing. Michal Bošľa, PhD.
Diversity	RNDr. Martin Korňan, PhD.

Earth	prof. Dr. Ing. Jaroslav Šálka
Ecology and Evolution	prof. Ing. Dušan Gömöry, DrSc.
Ecological Indicators	JUDr. Mgr. Zuzana Dobšínská, PhD.
Ecosystems	prof. Ing. Jaroslav Škvarenina, CSc.
Energies	doc. Mgr. Ing. Rastislav Šulek, PhD.
	doc. Ing. Miloš Gejdoš, PhD.
Electronic Journal of Polish Agricultural Universities	prof. Ing. Jaroslav Škvarenina, CSc.
Environmental and Experimental Botany	Ing. Alena Konôpková, PhD.
Environmental Science and Pollution Research	Mgr. Ján Kováč, PhD.
European Journal of Forest Research	RNDr. Martin Korňan, PhD.
	doc. Ing. Peter Lešo, PhD.
Food Technology and Biotechnology journal	doc. Ing. Martin Pavlík, PhD.
Folia Geographica	prof. Ing. Jaroslav Škvarenina, CSc.
Folia Oecologica	doc. Ing. Erika Gömöryová, CSc.
Forest Ecology and Management	prof. Ing. Karol Ujházy, PhD.
	Ing. Michal Bošľa, PhD.
	doc. Ing. Stanislav Kucbel, PhD.
	doc. Ing. Peter Jaloviar, PhD.
	Ing. Denisa Sedmáková, PhD.
Forest Policy and Economics	prof. Dr. Ing. Jaroslav Šálka
	JUDr. Mgr. Zuzana Dobšínská, PhD.
Forests	JUDr. Mgr. Zuzana Dobšínská, PhD.
	doc. Mgr. Ing. Rastislav Šulek, PhD.
	prof. Ing. Dušan Gömöry, DrSc.
	prof. Ing. Iveta Hajdúchová, PhD.
	Ing. Klára Bálíková, PhD.
	prof. Ing. Ľubomír Scheer, CSc.
	doc. Ing. Miloš Gejdoš, PhD.
	RNDr. Martin Korňan, PhD.
	doc. Ing. Martin Lieskovský, PhD.
	Ing. Michal Ferenčík, PhD.
	doc. Ing. Erika Gömöryová, CSc.
Functional Ecology	Ing. Michal Bošľa, PhD.
Genes	prof. Ing. Dušan Gömöry, DrSc.
Government Information Quarterly	JUDr. Mgr. Zuzana Dobšínská, PhD.
	prof. Ing. Karol Ujházy, PhD.
International Soil and Water Conservation Research	doc. Ing. Erika Gömöryová, CSc.
Journal of Agricultural Science and Technology	doc. Ing. Ivan Repáč, PhD.
Journal of Forest Science	prof. Ing. Dušan Gömöry, DrSc.
	prof. Ing. Karol Ujházy, PhD.
	prof. Ing. Ľubomír Scheer, CSc.
	prof. Ing. Iveta Hajdúchová, PhD.
	doc. Mgr. Ing. Rastislav Šulek, PhD.
	doc. Ing. Stanislav Kucbel, PhD.
	doc. Ing. Ivan Repáč, PhD.
Journal of Hydrology and Hydromechanics	prof. Ing. Jaroslav Škvarenina, CSc.
Journal of Mountain Science	doc. Ing. Erika Gömöryová, CSc.
Journal of Plant Interaction	prof. Ing. Karol Ujházy, PhD.
Journal of Soil Science and Plant Nutrition	doc. Ing. Erika Gömöryová, CSc.
Land	RNDr. Martin Korňan, PhD.
	prof. Dr. Ing. Jaroslav Šálka
	JUDr. Mgr. Zuzana Dobšínská, PhD.
	Ing. Klára Bálíková, PhD.
Landscape Ecology	Ing. Peter Klinga, PhD.
Microorganisms	doc. Ing. Erika Gömöryová, CSc.

Oikos	RNDr. Martin Korňan, PhD.
Plant Biotechnology Reports	prof. Dr. Mgr. Jaroslav Ďurkovič
Plant Root	doc. Ing. Peter Jaloviar, PhD.
PLOS One	doc. Ing. Peter Lešo, PhD.
Processes	Ing. Marián Homolák, PhD.
Remote Sensing	prof. Ing. Ján Tuček, CSc.
Revista Ambiente & Água	Ing. Klára Bálíková, PhD.
Scandinavian Journal of Forest Research	prof. Ing. Dušan Gömöry, DrSc.
Science of the Total Environment	Ing. Michal Bošľa, PhD.
Scientific Reports	prof. Ing. Dušan Gömöry, DrSc.
South African Journal of Botany	Mgr. Ján Kováč, PhD.
Sustainability	JUDr. Mgr. Zuzana Dobšinská, PhD.
	doc. Mgr. Ing. Rastislav Šulek, PhD.
	Ing. Klára Bálíková, PhD.
	Ing. Marek Trenčiansky, PhD.
	RNDr. Martin Korňan, PhD.
	doc. Ing. Miloš Gejdoš, PhD.
	prof. Ing. Jaroslav Škvarenina, CSc.
Urban Forestry and Urban Greening	JUDr. Mgr. Zuzana Dobšinská, PhD.
Water	prof. Ing. Jaroslav Škvarenina, CSc.
Forestry Research Reports	Ing. Denisa Sedmáková, PhD.
<b>Name of domestic periodical</b>	<b>Name of the assessor</b>
Ecological studies	prof. Ing. Jaroslav Škvarenina, CSc.
Meteorological Journal	prof. Ing. Jaroslav Škvarenina, CSc.

- Assessment Monographs: J. Konôpka, V. Šebeň, B. Konôpka. Jaroslav Škvarenina, CSc.
- Special contributions for forestry practice: forest-forestry circles 10, Nature management in forests - author - prof. Ing. Milan Saniga, DrSc.
- work on the commenting process of the National Forestry Programme for 2020-2030 - prof. Ing. Milan Saniga, DrSc.
- Website Pro Silva Slovakia - annotated lectures focused on the conversion of stands by cultivation practices in the sense of PBHL - prof. Ing. Milan Saniga, DrSc.

#### ➤ **Work on joint publications:**

- Collaboration with ForestREplot and SoilTemp partners on several publications, e.g. Staude et al. 2021 (Directional turnover towards larger-ranged plants over time and across habitats, Ecology Letters), Haesen et al. 2021 (Forest Temp-Sub-canopy microclimate temperatures of European forests, Global Change Biology 27), Caron et al. 2021 (Thermal differences between juveniles and adults increased over time in European forest trees, Journal of Ecology 201), Perring et al. 2021 ("Lianification" or liana invasion - is there a difference?, Frontiers in Ecology and the Environment 17), Vangasbeke et al. 2021 (ClimPlant: realized climatic niches of vascular plants in European forest understoreys, Global Ecology and Biogeography 30), Depauw et al. 2021 (Evaluating structural and compositional canopy characteristics to predict the light-demand signature of the forest understorey in mixed, semi-natural temperate forests, Appl. Opt. Veg. Sci. 2021) - doc. Ing. Fantišek Máliš, PhD.
- Oak Ridge National Laboratory USA - publication Bhagia et al. 2021. Applied Material Today 24: 101078 - prof. Dr. Mgr. Jaroslav Ďurkovič
- Phytophthora Research Centre Brno CR - publication Ďurkovič et al. 2021. Journal of Fungi 7: 969 - prof. Dr. Mgr. Jaroslav Ďurkovič

- College of Resources, Sichuan Agrarian University China - a publication of Tao et al. 2022, HAZMAT, Vol.425 - Mgr. Ján Kováč, PhD.
- Museum of National History and Department of Zoology Palacký University in Olomouc - article for the magazine Živa - RNDr. Martin Korňan, PhD.
- Bureau for Forest Management and Geodesy, Poland - collaboration on the preparation of the original scientific thesis - RNDr. Martin Korňan, PhD.
- Institute for Economic Modification of Forests, Czech Republic - collaboration on the preparation of the original scientific thesis - RNDr. Martin Korňan, PhD.

#### ➤ **Reviews of works:**

- Teaching support for forestry bioeconomy and forestry bioeconomy - ČZU Praha - review - prof. Ing. Iveta Hajdúchová, PhD.
- opponent's opinion on the doctoral thesis of Ing. Daniel Toth - FLD ČZU Praha - prof. Ing. Iveta Hajdúchová, PhD.
- opponent's opinion for the inauguration proceedings of doc. Ing. Vilém Jarský, Ph. D. - ČZU Praha - prof. Dr. Ing Jaroslav Šálka
- The use of modern laser scanning techniques for data collection in forest ecosystems - dissertation thesis of ČZU Praha - prof. Ing. Lubomír Scheer, CSc.
- Conversion of forest stands to a composition closer to nature in the Jablonec nad Nisou Forest Administration - dissertation work ČZU Praha - doc. Ing. Peter Jaloviar, PhD.
- Natural Regeneration within gaps of different sizes - dissertation Mendel University Brno - doc. Ing. Peter Jaloviar, PhD.
- Prerequisites for the regeneration and cultivation of chestnut (*Castanea sativa* Mill. ) and its occurrence in the Czech Republic - dissertation work of the Czech Agricultural University Prague - doc. Ing. Ivan Repáč, PhD.
- Diversification of forest stands and the use of saplings and semi-saplings on mid-elevation sites - dissertation work ČZU Praha - doc. Ing. Ivan Repáč, PhD.

#### ➤ **Opinions on project proposals and projects:**

- Nordic Forest Research - opinion on the project - JUDr. Mgr. Zuzana Dobšínská, PhD.
- Research and development to support the competitiveness of Slovak forestry - project report - doc. Ing. Peter Fleischer, PhD.
- Ministry of Education and Science of the Slovak Republic - preparation of reviews for projects in the VEGA commission - Ing. Pavol Hlaváč, PhD.
- Mendel University Brno CR - IGA project report - doc. Ing. Daniel Kurjak, PhD.
- PRO SILVA Slovakia Annual report year 2021 - report prepared for Pro Silva Europe- prof. Ing. Milan Saniga, DrSc.
- Preparation of the characteristics of selected Pro Silva Slovakia objects in English for the Pro Silva Europe website:
  - Selection Forest and Conversion to Selection Forest -Demonstration Pro silva object
  - Mistresses
  - University Forest Enterprise (UFE) of Technical University in Zvolen plus Pro Silva
  - Example the mosaic beech and oak stands Kremený potok.
  - Exemplary Forests Stará Myjava- Pro Silva Chrastina
  - Exemplary Forests Stará Turá- Pro Silva Dubrava
  - Exemplary Forests Košice (11 Pro silva objects)
  - Exemplary Forests Pro Silva Počuvadlo
- NKFI (Hungaria) - Exploring the effects of environmental factors and forestry treatments on the compositional, functional and interactional dynamics of the forest microbiome - doc. Ing. Erika Gömöryová, PhD.
- British Ornithologists` Union - foreign grant assessment - doc. Ing. Peter Lešo, PhD.
- Narodowe Centrum Nauki Poland - project assessment - prof. Ing. Dušan Gömöry, DrSc.

➤ **Other cooperation:**

- University of Bologna - preparation of the project COST OC-2021-1-25393 - Joint Effects of Climate Extremes and Atmospheric Deposition on European Forests - prof. Dr. Mgr. Jaroslav Ďurkovič
- Nicolaus Copernicus University in Toruń Poland - cooperation - Mgr. Ján Kováč, PhD.
- University of Belgrade Serbia - preparation of the project APVV "Ex situ conservation of the globally critically endangered species *Ochyraea tatrensis*, a strictly endemic moss of the Low Tatras - Mgr. Pavel Širka, PhD.
- Faculty of Forestry, University of Agriculture Krakow - informal professional cooperation in the field of forest phytopathology and forest protection - Ing. Pavol Hlaváč, PhD., prof. Ing. Jaroslav Kmet'j, PhD.
- HNEE Eberwalde, Landesbetrieb Forst Brandenburg, Germany:
  - ✓ Professional cooperation within the project KEGA 006TUZ-4/2020 "Use of innovative approaches to increase the quality of education in the study fields of Forestry and Hunting through e-learning explanatory dictionary of Slovak and German terminology used in hunting". For KIOLK: Ing. Pavol Hlaváč, PhD. (project leader: Mgr. Zuzana Vyhnáliková, PhD. , for the German side: Dr. Ľubomír Blaško)
  - ✓ Organisational and professional cooperation in the preparation of the planned professional excursion of German students in Slovakia, during which they will also visit the KIOLK FF TU in Zvolen. For KIOLK: Ing. Pavol Hlaváč, PhD.
  - ✓ Informal professional cooperation in the field of forest protection, forestry phytopathology with a focus on wildlife damage - exchange of current knowledge and literature. For KIOLK: Ing. Pavol Hlaváč, PhD.
- MycoMedica d.o.o. Slovenia - cooperation on the basis of the Cooperation Agreement -Ing. Martin Pavlík, PhD.
- Shanghai Academy of Agricultural Sciences China - cooperation within the Cooperation Agreement between TUZVO and SAAS; cooperation on research on *Ganoderma lucidum* species, financed partly from APVV 17-0644; guarantor : doc.Ing.Martin Pavlík, PhD.
- Czech University of Agriculture Prague - informal professional cooperation in the field of forest protection with a focus on forest fires and the impact of protective and defensive measures on the population of lycophorid insects - Ing. Pavol Hlaváč, PhD. and prof. Ing. Jaroslav Kmet'j, PhD.
- Institute of Forest Protection and Hunting, Faculty of Forestry and Wood Technology, Mendel University in Brno - Expert cooperation in the field of forestry phytopathology and forest protection - consultations, determination of fungal pathogens, opinions - Ing. Pavol Hlaváč, PhD., prof. Ing. Jaroslav Kmet'j, PhD.
- ČZU Praha - cooperation within the COST 3DForEcoTech project - Ing. Martin Mokroš, PhD.
- Involvement in the consortium, preparation of documents and submission of the application for the H2020 project Resilient Forested Landscapes under Climate Change (REFORCE) - prof. Ing. Ján Tuček, CSc., doc. Ing. Róbert Sedmák, PhD.
- Belarusian State Technological University Minsk - cooperation on the basis of the Cooperation Agreement - doc. Ing. Vladimír Štollmann, CSc., PhD.
- Saint-Petersburg State Forestry University S. M. Kirov Saint Petersburg - cooperation on the basis of the Cooperation Agreement - Assoc. Ing. Vladimír Štollmann, CSc., PhD.
- Arctic State Agrotechnological University of Yakutsk - cooperation on the basis of the Cooperation Agreement - Assoc. Ing. Vladimír Štollmann, CSc., PhD.
- North-Eastern Federal University M. K. Ammosova - - cooperation on the basis of the Cooperation Agreement - doc. Ing. Vladimír Štollmann, CSc., PhD.
- Izhevsk State Technical University M. T. Kalashnikov - cooperation on the basis of the Cooperation Agreement - doc. Ing. Vladimír Štollmann, CSc., PhD.

- ZETOR Tractors Brno - non-contractual cooperation - doc. Ing. Vladimír Štollmann, CSc., PhD.
- Institute of Systematics and Evolution of Animals, Polish Academy of Sciences Krakow - research on the impact of ivy (*Hedera helix*) on bird diversity in the Western Carpathians - doc. Ing. Peter Lešo, PhD.

## 6. PARTICIPATION OF CREATIVE STAFF OF THE FF AT SCIENTIFIC AND PROFESSIONAL EVENTS ABROAD

Fig. 1 shows the evolution of the number of faculty members posted abroad. The number of staff travelling abroad has increased each year during the 2017-2021 reporting period, with the exception of 2020 and 2021, which were significantly affected by the global pandemic (down 84% from 2019). The objectives of the mobility were participation in scientific conferences, seminars, exhibitions, working meetings and coordination activities within international projects, qualification improvement events, study and research stays, etc.

The structure of these destinations has been stable over the long term, in most cases they are EU countries or other European countries, with occasional destinations outside the European continent.

Table 11 gives an overview of the mobility of FF staff within the Erasmus+ programme and Table 12 is only of a conclusive nature, where mainly due to the pandemic no mobility within the National Scholarship Programme took place.

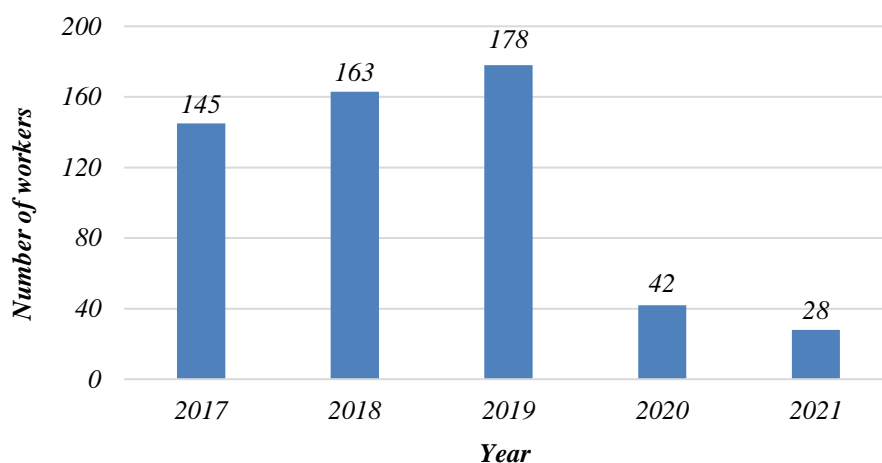
In 2021, faculty participation in events and research assignments abroad declined significantly due to the global pandemic situation with COVID-19. Most events were conducted online.

**Table 11** Erasmus+ staff mobility for the academic year 2020/2021

Surname and first name	Foreign institution	Landscape	From	to
<b>Teaching</b>				
Ing. Mokroš Martin, PhD.	Finish Geospatial Research Institute - virtual mobility	Finland	31.03.2021	31.03.2021
Ing. Výbošťok Jozef, PhD.	Czech University of Life Sciences - virtual mobility	Prague	26.05.2021	26.05.2021
<b>Training</b>				
no mobility				

**Tab. 12** NSP mobility of FF staff for the academic year 2020/2021

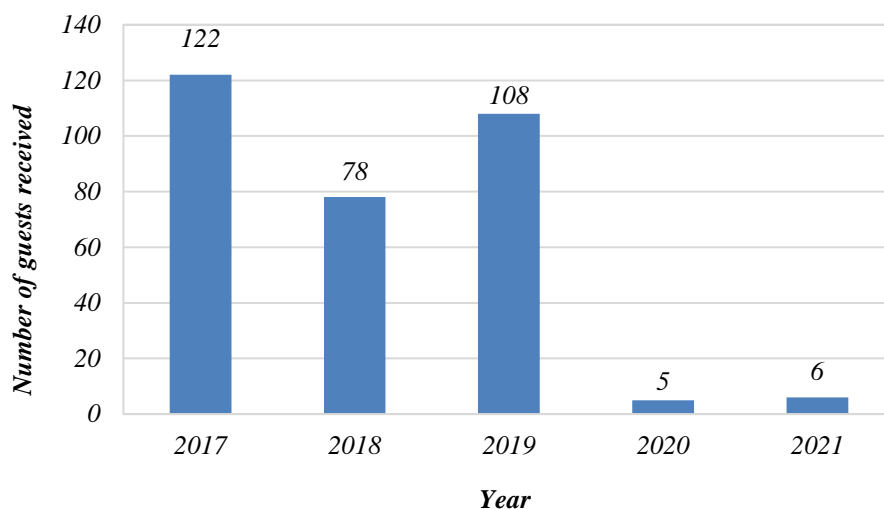
Surname and first name	Foreign institution	Landscape	From	to
no mobility				



*Fig.1 Development of the number of expatriate FF employees in the period 2017-2021*

## 7. RECRUITMENT OF FOREIGN WORKERS

The development of the number of foreign staff recruited at the Faculty of Medicine is shown in Fig. 2. Similarly as in the previous case, this number is predominantly determined by scientific and professional events at the level of departments, faculties, joint meetings and cooperation of various kinds with foreign partners.



*Fig. 2 Development of the number of guest arrivals in the period 2017-2021*

Within the share of foreign workers, visitors from European countries predominated. However, the Faculty of Forestry was also visited by guests from non-European countries. However, their number was significantly reduced due to the global pandemic (Fig. 2, a decrease of 95% compared to 2019).

**Table 13** Erasmus+ mobility of foreign teaching staff and staff for the academic year 2020/2021

Surname and first name	Foreign university	Landscape	From	to
Jitka Menhazova	Mendel University in Brno	Czech Republic	23.08.2021	02.09.2021

Among other activities of the FF departments in 2021, which are examples of bilateral foreign mobility of creative workers, it is necessary to mention :

- online MVK Lesnaya inženeria materialovedenie i dizajn, Belarusian State Technological University Minsk, 01.02. - 13. 02. 2021 - doc. Ing. V. V. Stollmann, CSc. PhD.
- Lecture at the AGATU 2021 summer school - online, Arctic State Agrotechnological University Yakutsk, 26 - 31 August 2021 - doc. Ing. V. Stollmann, CSc. PhD.
- Meeting of economically oriented forestry and woodworking departments from the Czech Republic and Slovakia, conference with the participation of 13 foreign participants, 23.9.-24.9.2021 - prof. Dr. Ing. Jaroslav Šálka
- International online scientific conference "Financing Forests-Tree 2021", 25.11.2021, KERLH, 17 foreign participants - prof. Ing. Iveta Hajdúchová, PhD.

- Online RJ course organized in the framework of the Winter School 2021 in cooperation with Izhevsk State Technical University M. T. Kalashnikov. Funded by KEGA project, course participants: students of FF, 01.10.2021 - 30.12.2021
- Expert excursion in selected objects of LS Duchonka on PBHL issues - 09. 06. 2021 - prof. Ing. Milan Saniga, DrSc.
- Expert lecture on the topic: close to nature forest management in oak and beech stands, Municipal forests Krupina, 09. 09. 2021 - prof. Ing. Milan Saniga, DrSc.
- The use of genetics in artificial breeding of the sage grouse, international seminar in Ostrava, September 2, 2021 with the participation of 14 foreign and 30 domestic participants, event guarantor - prof. Ing. Ladislav Paule, PhD. and Petr Smutný - Ing. Diana Krajmerová, PhD. and Ing. Peter Klinga, PhD.
- Forest typology - 70 years in the service of forestry and nature conservation, international conference on-line, 18 November - 19 November 2021 with the participation of 8 foreign and 70 domestic participants - Assoc. Ing. František Máliš, PhD. and prof. Ing. Karol Ujházy, PhD.
- Ecosystem services and decision support in forest management - final seminar of the H2020 Alterfor project, Hottel Král'ová, 9 September 2021 with the participation of 41 participants (1 Czech Republic) - prof. Ing. Ján Tuček, CSc., doc. Ing. Róbert Sedmák, PhD., Ing. Juraj Černava, PhD.
- Final seminar of the FORCLIMEX project APVV-16-0325: "Extreme climate change manifestations and their impacts on the growth and production of forest stands", organized by: NLC, TU in Zvolen, online seminar, 30 November 2021 - doc. Ing. Katarína Střelcová, PhD.
- "Urban climate and heat island", conference, 10.11.2021 with the participation of 30 participants (29 Czech Republic), event guarantor: Dr. Jaroslav Rožnovský, Czech Hydrometeorological Institute MU Brno - prof. Ing. Jaroslav Škvarenina, CSc.

## 8. ACADEMIC MOBILITY OF STUDENTS

Fig. 3 shows the development of the number of students admitted from abroad and the number of FF students sent to foreign universities and faculties in the period 2017-2021. These mobilities were mainly carried out within the Erasmus+ programme (FF as a partner) and COST STSM<sup>1</sup>, CEEPUS, respectively within the National Scholarship Programme, also participation in international conferences (PhD students, post-doctoral fellows). Their posting abroad mainly serves the purpose of acquiring professional knowledge, establishing contacts and friendships, which in many cases can be the basis for successful international cooperation in the future. Some students have also represented the Faculty of Physics at international scientific conferences and conferences of the School of Science and Technology with their theses. Again, it should be noted that a global pandemic is behind the significant decline in the number of students admitted (down 75% in 2019/2020) and seconded (down 77% in 2020/2021) in 2021. The enrolment status of students between 2020 and 2021 has not changed.

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<sup>1</sup> STSM– short term scientific mission

Tables 14 and 15 give an overview of Erasmus+ student mobility. Table 16 presents the mobility of students from abroad admitted to the Faculty of Forestry under the NRP and other mobility schemes.

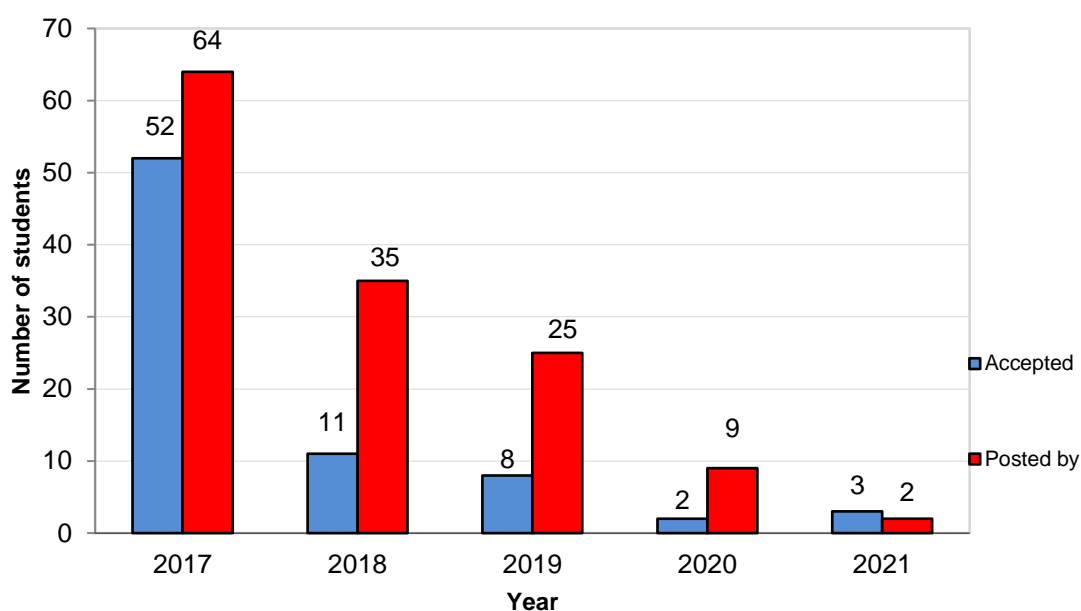


Fig. 3 Development of the number of admitted and seconded FF students from/to abroad in the period 2017 - 2021

**Table 14** Erasmus+ Mobility of FF students in the academic year 2020/2021

Last and first name of the student	Foreign university	Landscape	From	to
<i>Study</i>				
<i>no mobility</i>				
<i>Internship</i>				
Mag.biol Petek Petrik Anja	Josip Juraj Strossmayer University of Osijek	Croatia	01.03.2021	01.05.2021
Ing. Petrik Peter	Josip Juraj Strossmayer University of Osijek	Croatia	01.03.2021	01.05.2021

**Tab. 15** Erasmus+ mobility of foreign students admitted to the Faculty of Forestry in the academic year 2020/2021

Last and first name of the student	Foreign university	Landscape	From	to
<i>Study</i>				
Jozef Kadërka	Mendel University Brno	Czech Republic	22.05.2021	25.05.2021
<i>Internship</i>				
<i>no mobility</i>				

**Tab. 26** NRP and other mobility schemes for international students for the academic year 2020/2021

Surname and first name	Foreign institution	Landscape	From	to
<i>Study</i>				
<i>no mobility</i>				
<i>Internship</i>				
Mohammad Mukarram	Aligarh Muslim University	India	15.02.2021	15.12.2021

Xiaoling Wang	East China Normal University, Shanghai	China	22.02.2021	26.06.2021
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Thanks are due to all the departments that provided teaching and professional programme for the foreign students and also to the institutions that contributed to the successful completion of their stays.

## 9. FF PARTICIPATION IN INTERNATIONAL PROGRAMMES AND PROJECTS TO SUPPORT TEACHING, SCIENCE AND RESEARCH

Projects of this type have the potential to support mobility, the preparation and submission of major international projects, as well as publication in international scientific journals.

### 9.1 Projects to support teaching

There were no projects with this theme in 2020.

### 9.2 Projects to support science and research

COST, H2020 and LIFE Lynx - annotations are given in the Evaluation of Scientific Research Activities and Doctoral Studies for 2021.

### 9.3 Mixed projects

DAAD "Ostpartnerschaften" solved in cooperation with Georg August Universität Göttingen and TU in Zvolen– guarantor: prof. Ľ. Scheer, prof. Dr., W. Kurth

Annotation of results for 2021:

Long-term topics of mutual cooperation are applied informatics, spatial information systems, geoinformatics, forest modelling and growth simulators. The planned mobilities for 2021 have been postponed to 2022 due to the unfavourable pandemic situation.

## 10. COOPERATION WITH DOMESTIC PARTNERS

Cooperation with domestic partners is an important part of the educational and scientific research activities of the FF at the national level. In 2021, several meetings were held between representatives of the Faculty of Forestry and representatives of organisations of the Ministries of the Ministry of Agriculture and Rural Development of the Slovak Republic and the Ministry of the Environment of the Slovak Republic, as well as with representatives of the State Enterprise Forests of the Slovak Republic at the level of the DG and the management of the plants, as well as with representatives of organisations of forest owners and users. The meetings were held online due to the pandemic situation of COVID-19. The institutions with which the Faculty of Forestry has long-term cooperation are listed in Table 16.

**Table 16** List of long-term cooperation institutions

Institution	Name	Type of cooperation
Ministry of Environment of the Slovak Republic	prof. Ing. Dušan Gömöry, DrSc. KAZMZ	Member of the Biosafety Commission collaboration

	Ing. Pavol Hlaváč, PhD.	presentation of forest protection methods - preparation of the amendment on national parks
	KAZMZ	collaboration
<b>Ministry of Agriculture and Rural Development</b>	prof. Dr. Ing. Jaroslav Šálka	lectures in the field of forestry legislation
	prof. Ing. Milan Saniga, DrSc.	elaboration of comments to the Decree amending Decree No. 453/2006 Coll. on forest management as amended by Decree No. 15/2015 Coll.
	doc. Ing. Miloš Gejdoš, PhD.	evaluation of content themes
<b>Municipal Office Sasa</b>	Ing. Pavol Hlaváč, PhD. prof. Ing. Jaroslav Kmet'a, PhD. Pavol Gibas	professional cooperation in the field of arboriculture in the assessment of tree health
<b>Saint Anton Museum</b>	Ing. Pavol Hlaváč, PhD. prof. Ing. Jaroslav Kmet'a, PhD. Pavol Gibas	elaboration of a professional expertise to assess the health status of the trees
<b>Forests SR, š.p. Banská Bystrica</b>	Ing. Blanka Giertliová, PhD.	organising a professional colloquium for students in the field of forest economics
	doc. Ing. Vladimír Štollmann, CSc. PhD.	collaboration
	KAZMZ	collaboration
<b>Bratislava self-governing region</b>	KERLH	cooperation in applied research projects
<b>Forests SR, š.p. OZ Semenoles</b>	doc. Ing. Ivan Repáč, PhD.	experiments in nursery centres, Jochy and Oravská dam, technical and material support of scientific research activities, exchange of acquired knowledge
<b>LS Poltár</b>	doc. Ing. Miloš Gejdoš, PhD.	drawing up an expert opinion
<b>ML Banská Bystrica</b>	KERLH	cooperation in APVV projects
<b>ML Kremnica</b>	prof. Ing. Iveta Hajdúchová, PhD.	financial management consultancy
	doc. Ing. František Máliš, PhD. Ing. Peter Klinga, PhD.	collaboration
	Ing. Pavol Hlaváč, PhD.	professional work in the field of forest protection and entomology, professional consultations
<b>TANAP State Forests</b>	doc. Ing. Peter Fleischer, PhD.	Implementation of the APVV project on carbon balance assessment using the eddy covariance method
	Ing. Peter Fleischer, PhD.	evaluation of tree growth changes, measurement of photosynthesis rate and stomatal conductance in spruce trees
	KERLH	cooperation in APVV projects
<b>Bachledka Ski &amp; Sun Trail through the crowns trees Bachledka</b>	Ing. Pavol Hlaváč, PhD. prof. Ing. Jaroslav Kmet'a, PhD.	cooperation in the protection of forest stands growing in the vicinity of the Bachledka treetop trail from the aspect of their protection against bark beetles
<b>LOS Banská Štiavnica</b>	Ing. Pavol Hlaváč, PhD.	cooperation in the field of forest protection, phytopathology and entomology, provision of HC, consultations, determinations
	Ing. Peter Klinga, PhD.	collaboration
	prof. Ing. Karol Ujházy, PhD.	preparation of the Catalogue of Biotopes of the Slovak Republic
<b>SOP SR Banská Bystrica</b>	Mgr. Pavel Širka, PhD.	monitoring of species of European importance, cooperation on the preparation of the APVV project
	KERLH	collaboration
	KAZMZ	collaboration

<b>Institute of Forest Ecology SAV Zvolen</b>	Ing. Peter Klinga, PhD.	cooperation on research projects (APVV, VEGA)
	Mgr. Pavel Šírka, PhD.	project VEGA 2/0132/21
	Ing. Michal Boščeľa, PhD.	collaboration
	doc. Ing. Daniel Kurjak, PhD.	solving a joint VEGA project
	Ing. Peter Fleischer, PhD.	implementation of the joint project APVV-16-0306
<b>Botanical Institute of the Slovak Academy of Sciences</b>	doc. Ing. Martin Pavlík, PhD.	cooperation on mycological research, publication of a scientific article
	prof. Ing. Karol Ujházy, PhD.	work on monograph Plant communities of Slovakia 6 - forests and shrubs
	doc. RNDr. Judita Kochjarová, CSc.	3 scientific-publication projects of national importance, VEGA project
	doc. Ing. František Máliš, PhD.	collaboration
	Mgr. Ján Kováč, PhD.	collaboration on the publication Vaculík et al. 2021, HAZMAT Vol. 415
<b>PÚ SAV Košice</b>	Mgr. Pavel Šírka, PhD.	cooperation on the project VEGA 2/0132/21, APVV-19-0134
<b>Research Institute Animal Production Nitra</b>	doc. Ing. Erika Gömöryová, CSc.	cooperation on the project APVV-19-0142, preparation of joint publications
<b>National Forestry Centre Zvolen</b>	KAZMZ	Opposition, membership in committees, reviewing publications, teaching
	prof. Dr. Ing. Jaroslav Šálka	solving research tasks
	doc. Mgr. Ing. Rastislav Šulek, PhD.	
	JUDr. Mgr. Zuzana Dobšínská, PhD.	
	Ing. Jozef Výboštok, PhD.	
	Ing. Klára Báliková, PhD.	
	doc. Ing. František Máliš, PhD.	
	prof. Ing. Karol Ujházy, PhD.	renewal and database of TRP areas
	Ing. Michal Boščeľa, PhD.	collaboration
	KAZMZ	collaboration
<b>VÚPOP Prešov</b>	doc. Ing. Erika Gömöryová, CSc.	cooperation on the project APVV-19-0142
	doc. Ing. Martin Pavlík, PhD.	cooperation on research on <i>Ganoderma lucidum</i> fungi, joint publications, identification and creation of a database of forest pests
	Ing. Peter Fleischer, PhD.	assessment of the dynamics of the leaf area index in the Bienska dolina research site
	doc. Ing. Daniel Kurjak, PhD.	submission of a joint APVV project
	doc. Ing. Erika Gömöryová, CSc.	preparation of joint publications
<b>PLATAN</b>	Ing. Pavol Hlaváč, PhD.	professional cooperation in the field of arboriculture
<b>Slovak Environmental Inspectorate</b>	prof. Ing. Jaroslav Kmet'a, PhD.	
<b>OÚ B. Bystrica, Banská Bystrica Regional Road Administration</b>	prof. Dr. Ing. Jaroslav Šálka	expert lectures in the field of forestry legislation
<b>OÚ Turčianske Teplice and Zlaté kúpele T. Teplice</b>	Ing. Pavol Hlaváč, PhD.	elaboration of professional expertise before the municipality of Králiky
<b>State Veterinary and Food Administration of the Slovak Republic</b>	prof. Ing. Jaroslav Kmet'a, PhD.	
<b>Slovak Hunting Chamber</b>	Ing. Pavol Hlaváč, PhD.	advisory and consultancy activity in the field of arboristiky
	prof. Ing. Jaroslav Kmet'a, PhD.	
<b>Slovak Hunting Chamber</b>	KAZMZ	collaboration
	prof. Dr. Ing. Jaroslav Šálka	expert lectures in the field of forestry legislation
<b>Slovak Hunting Chamber</b>	KAZMZ	collaboration

<b>Institute of Parasitology SAV Košice</b>	KAZMZ	collaboration
<b>Central European Institute Game Ecology Nitra</b>	KAZMZ	collaboration
<b>National Zoological Garden Bojnica</b>	KAZMZ	collaboration
<b>UMB Banská Bystrica Faculty of Natural Sciences</b>	Ing. Pavol Hlaváč, PhD.	cooperation in the field of phytopathology and mycology, preparation of the symposium Wood-Destroying Fungi 2022
	Mgr. Pavel Širka, PhD.	cooperation project VEGA 2/0132/21
<b>UK Bratislava Faculty of Science</b>	prof. Dr. Mgr. Jaroslav Ďurkovič	collaboration
	Mgr. Ján Kováč, PhD. Mgr. Pavel Širka, PhD.	work on the publication Yadav et al. 2021 cooperation on publication
<b>UK Bratislava Department of Ecology</b>	KAZMZ	collaboration
<b>UPJŠ Košice</b>	prof. Ing. Ján Tuček, PhD.	cooperation on the oppositions of the PoA
<b>UK Bratislava Botanical garden Mudroom</b>	prof. Ing. Karol Ujházy, PhD.	work on monograph Plant communities of Slovakia 6 - forests and shrubs
<b>STU Bratislava</b>	prof. Ing. Jaroslav Škvarenina, CSc.	opponent's opinion on the PhD thesis
<b>University of Veterinary of Medicine and Pharmacy in Košice</b>	doc. Ing. Martin Pavlík, PhD.	multi-year cooperation with the Department of Chemistry, Biochemistry and Biophysics, Institute of Pharmaceutical Chemistry on scientific research on fungi of the genus Cordyceps and joint publication outputs, including an article in CC
	KAZMZ	Opposition, membership in committees, assessment of publications
<b>Slovak University of Agriculture Nitra</b>	doc. Ing. Erika Gömöryová, CSc.	preparation of joint publications
	KAZMZ	Opposition, membership in committees, assessment of publications, APVV solutions
<b>University of Žilina Research Institute of Alpine Biology</b>	doc. Ing. Daniel Kurjak, PhD.	scientific cooperation
	Mgr. Pavel Širka, PhD.	author's cooperation on the publication
<b>Zvolenská teplárenská, a.s.</b>	doc. Ing. Martin Lieskovský, PhD.	drawing up an expert opinion
<b>HS Hrinova</b>	doc. Ing. Vladimír Štollmann, CSc. PhD.	collaboration
<b>ZETOR Engineering Slovakia Bytča</b>	doc. Ing. Vladimír Štollmann, CSc. PhD.	collaboration

## 11. FF MARKETING COMMUNICATION

As part of the communication strategy, the FF applied the following marketing tools in 2021, the scope of which was significantly limited due to the impact of the anti-pandemic measures:

- a. *public relations, which* prevailed among the different means. We include: professional seminars, press conferences, lectures, publications for professional and lay public, articles in newspapers and magazines, matriculation, ring activities for professional and lay

- public, creation of faculty image through social networks, giving interviews for professional, TV talk shows, forest pedagogy, faculty events, etc.).
- b. *personal promotion of the possibility of studying at FF in the framework of trips to high schools and fairs,*
- c. *Paid advertising on social networks aimed at promoting studies at the Faculty of Forestry,*
- d. *direct marketing, where the faculty reaches out directly to its existing students for various educational and extra-curricular activities via SMS gateway; and*
- e. *corporate identity, which included the production of promotional items in accordance with the FF TUZVO design manual (T-shirts, bracelets, pens, notebooks, gift items, etc.)*

### 11.1 Marketing activities of FF

*At the beginning of this part of the report, it is necessary to state again that the continuing impact of the global pandemic of COVID-19 had a significant negative impact on the use of marketing activities of the faculty in the analyzed year 2021. The transition to distance learning, the ban on meetings, the restriction to online form of contacts only, has contributed to a very weakened form of use of communication tools, as in this segment naturally prevail "public relations" and personal communication. For this reason, most marketing activities have been carried out only in the electronic environment or in the television and print media. This unfavourable situation was also reflected in the decrease in the number of enrolled first year Bachelor students compared to the previous year 2020, from 159 to 132, i.e. by 17% (Fig. 4).*

As part of the promotion of the Faculty of Forestry and its study programmes as well as scientific research activities, the brochures "Guide to studying at the Faculty of Forestry" in Slovak and English, as well as the Faculty of Forestry websites [www.lesnickekruzky.sk](http://www.lesnickekruzky.sk) and [www.lesnickyvyskum.sk](http://www.lesnickyvyskum.sk) were updated for the year 2021. All these brochures are also available online in a browsable form on the forestry website of the main portal <https://lf.tuzvo.sk/sk>.

Most of the Faculty's activities were presented in short text and image information and videos on the Faculty's website (<https://lf.tuzvo.sk/>), many of them are shared on Facebook, Instagram as well as on the Faculty's YouTube channel.

We have also paid adequate attention to the promotion of the Faculty of Forestry and communication with the public on social networks (FB and Twitter, LinkedIn, YouTube channel, Instagram), where many information for students and other target groups (prospective students, professional and professional organizations, alumni community, supporters of the Faculty of Forestry, job offers for graduates, etc.) are disseminated and shared. The most relevant information was also promoted through paid advertising. We created promotional videos as a form of online DOD of the various major components of the FF such as the upgraded laboratories, the Komatsu harvester, the new LMP laboratory, the CAVE virtual classroom, and scientific and popular science lectures.

The main marketing activities in 2021, which the faculty organised mainly under its own responsibility, are listed in chronological order within the calendar year 2021 in Table 17.

**Table 17** Overview of FF marketing activities for 2021

<b>Date</b>	<b>Marketing activity</b>
<b>20 January</b>	Promotion of the development of a tool for forest evolution simulation and visualization called SIBYLA Lex Eterna on social networks
<b>18 February</b>	Lecture of Dr. František Máliš as a guest in the scientific candy shop within the Centre of Scientific and Technical Information of the Slovak Republic on the topic "Biodiversity in the time of global changes"
<b>20 February</b>	Online meeting of FF students with the dean of FF
<b>12 March</b>	Online meeting of FF students with the dean of FF
<b>19 March</b>	Mental Coaching with Mgr. Peter Bielik for FF students and staff
<b>24 - 26 March</b>	Promotion of forestry rings on social networks and website <a href="http://www.lesnickekruzky.sk">www.lesnickekruzky.sk</a>
<b>29 March</b>	Interview with the Dean of the Faculty of Forestry for <a href="http://lesmedium.sk">lesmedium.sk</a> and the magazine Les & Letokruhy
<b>20 April</b>	Promotion of Dr. Michal Bošela and his participation in international projects COST Action CA15226 CLIMO
<b>23 April</b>	Online lecture by neurogeneticist Dr. Tomas Eichler for students and staff of the Faculty of Medicine entitled "How sleep affects your decision-making" to promote personal growth
<b>27 April</b>	Promotion of the newly launched university incubation programme - "Start up TUZVO Competition"
<b>May 5</b>	Public relations in the field of forest pedagogy with the participation of student Bc. Martin Danilák
<b>May 7</b>	Presentation of the award to prof. Korpel for nature-friendly forest management according to the principles of the PRO SILVA movement to the grower LS Paráč, OZ Námestovo Ing. Pavel Dendys in the presence of RTVS and former Minister of Agriculture Jan Mičovský.
<b>16 May</b>	Discussion with Ing. Tibor Pataky, CSc. for the magazine Les & Letokruhy on the topic of management in the habitats of the mountain red deer
<b>1 June</b>	Participation of FF at the opening of the first forest school for children in Slovakia (Levice)
<b>15 June</b>	The Department of Forest Economics and Management organised a workshop together with NLC within the TestPESLes project promoted in the journal Forest & Letokruhy
<b>30 August</b>	Participation of FF on the new trail of the Forestry Arboretum Kysihýbel near Banská Štiavnica
<b>10 September</b>	FF workshop within the ALTERFOR project on Ecosystem Services and Decision Support in Forest Management
<b>13 September</b>	Inauguration of the new LMP Laboratory built with the financial assistance of the Ministry of Education and Science of the Slovak Republic within the KEGA project No. 007TU Z-4/2019 under the leadership of doc. Ing. Vladimír Štollmann, CSc., PhD.
<b>13 September</b>	Working visit to the friendly Faculty of Forestry in Brasov (Romania) with the participation of Prof. Viliam Pichler, Secretary of the Faculty of Forestry and FF External Relations Officer.
<b>27 September</b>	Opening of the Academic Year 2021/2022 for first year students of the Faculty of Forestry
<b>23 - 24 September</b>	Meeting of economically oriented forestry and timber departments from the Czech Republic and Slovakia organized by KERLH FF
<b>27 September</b>	Lecture doc. Stollman for pupils of the seventh and ninth grade of the elementary school P. Jilemnického 1813/1 in Zvolen with illustrative demonstrations
<b>4 October</b>	Ascent to the Deserted Castle 2021 for first year students of the Faculty of Forestry
<b>4 October</b>	Virtual Open Day SAIA, n. o.
<b>4 October</b>	Promotion of the FF fishing club in the framework of its activities on the Kováčov Pond
<b>25 October</b>	Guest of RTVS Experiment Dr. Peter Klinga from the Department of Phytology on the topic Bears
<b>25 October</b>	Opening of the Children's Forestry University in the school year 2021/2022
<b>10 November</b>	Filming for RTVS VAT programme on the application of the Sibyl forest growth simulator using game-engine
<b>10 November</b>	Forest pedagogy for pupils of 1st - 4th year of primary school Porúbka 20 on the theme "Winter in the bird kingdom"

<b>18 November</b>	Meeting of FF management with foreign PhD students and master from India and Indonesia.
<b>19 November</b>	Meeting of the FF management with successful students, awarded by the Literary Fund for the best work of the Student Scientific Conference 2020/2021 - Ing. Kristína Pulišová and Ing. Peter Petrik, PhD.
<b>23 November</b>	Meeting of the leaders of the rings at the FF with the management of the FF
<b>1 December</b>	Online St. Nicholas quiz for FF students via Kahoot platform
<b>6 December</b>	Online recruitment and membership meeting of the beekeeping club at the Faculty of Forestry
<b>11 December</b>	RTVS 2 aired an article with the continuation of the development of the Sibyl growth simulator at the Faculty of Forestry in the Science and Technology magazine with Gregor Mares (VAT). In the programme, the Dean of the Faculty of Forestry, prof. Ing. Marek Fabrika, PhD.

## 11.2 FF Student Portfolio

Within the 2016-2021 reporting period, the portfolio of first-year students at FF continues to be clearly dominated by three main groups (clusters) of students (Figure 4), namely: *forestry secondary schools* (average share of 44% of the total number of students), *grammar schools* (25%) and *technical secondary schools* (this includes electrical, civil, industrial, mechanical and vocational *secondary schools* - 11.3%). Despite the fact that the number of enrolled students reached the highest level achieved in recent years (229 students, including repeating students), the number of students enrolled in the first year of the Bachelor's degree in 2021 decreased by 17% compared to 2020.

Figure 5 documents the distribution of the number of the largest group of students from forestry SHSs. For the studied period 2019-2021 we can state that on average the largest representation of students is from Banská Štiavnica (about 42% of the total number of students from forestry secondary schools), Liptovský Hrádok (about 31.6%) and Prešov (25%), the minority are students from the forestry secondary school from Tvrdošín and from the secondary vocational school of services and forestry from Banská Štiavnica. In 2021, the most numerous forestry school was Liptovský Hrádok (38.89%).

In contrast, the representation of grammar school students as the second largest group of students at the FF with a 25% share (Figure 6) shows the following over the period under study:

- high variability of the representation of individual cities within the Slovak Republic between years,*
- a low number of students per grammar school in the range of 1-3 students and*
- the overwhelming concentration of grammar schools from the Central Slovak region (Banskobystrický and Žilinský). In the last two years 2020-2021 there is a trend of increasing number of students from the Western Slovakia region (Bratislava, Malacky, Nitra)*

The cities that had the highest representation of grammar school students during the entire period under study include Brezno, Zvolen, Banská Bystrica, Krupina, Bardejov, Rožňava and Košice.

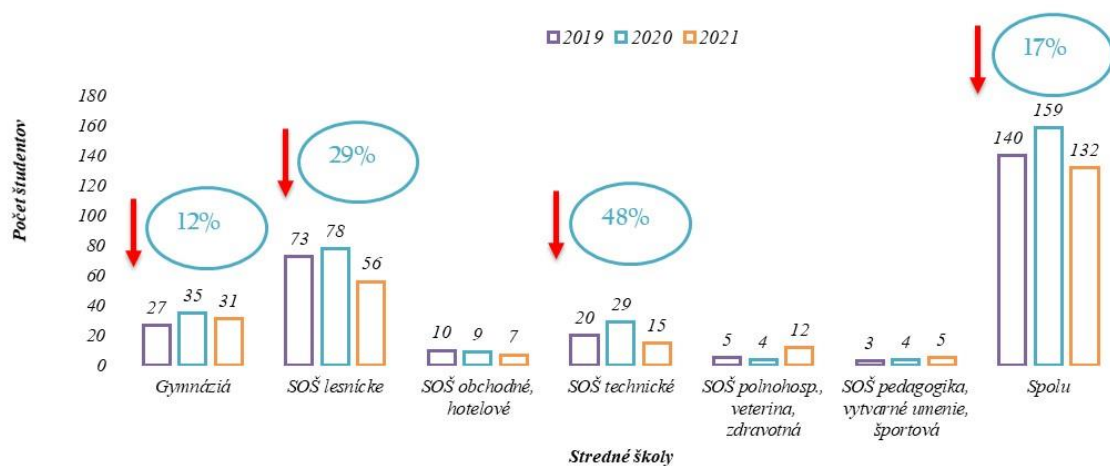


Fig. 4 Trends in the number of secondary school students enrolled in the first year 2019-2021

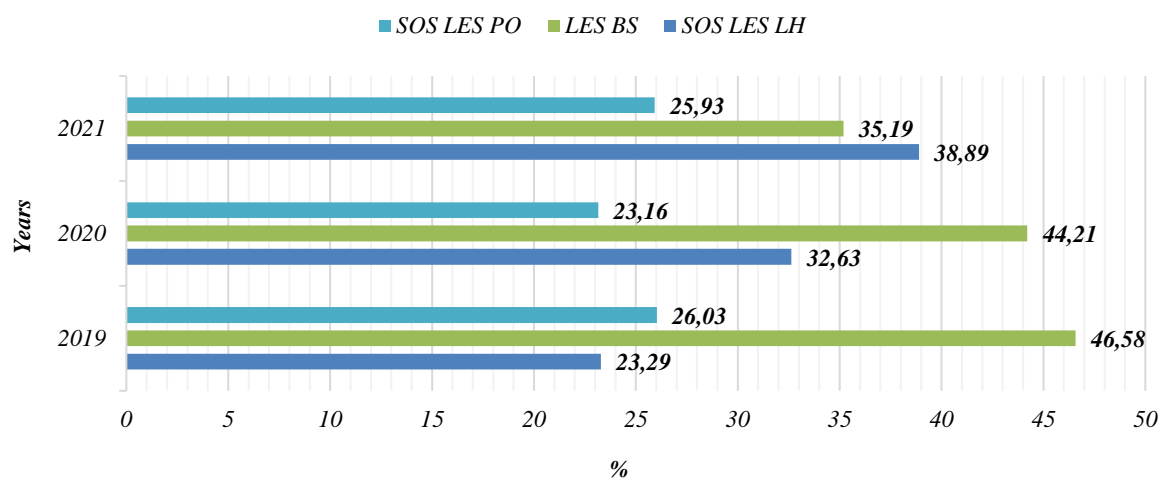


Fig. 5 Evolution of the percentage of students in the total number of students from forestry secondary schools in 2019-2021

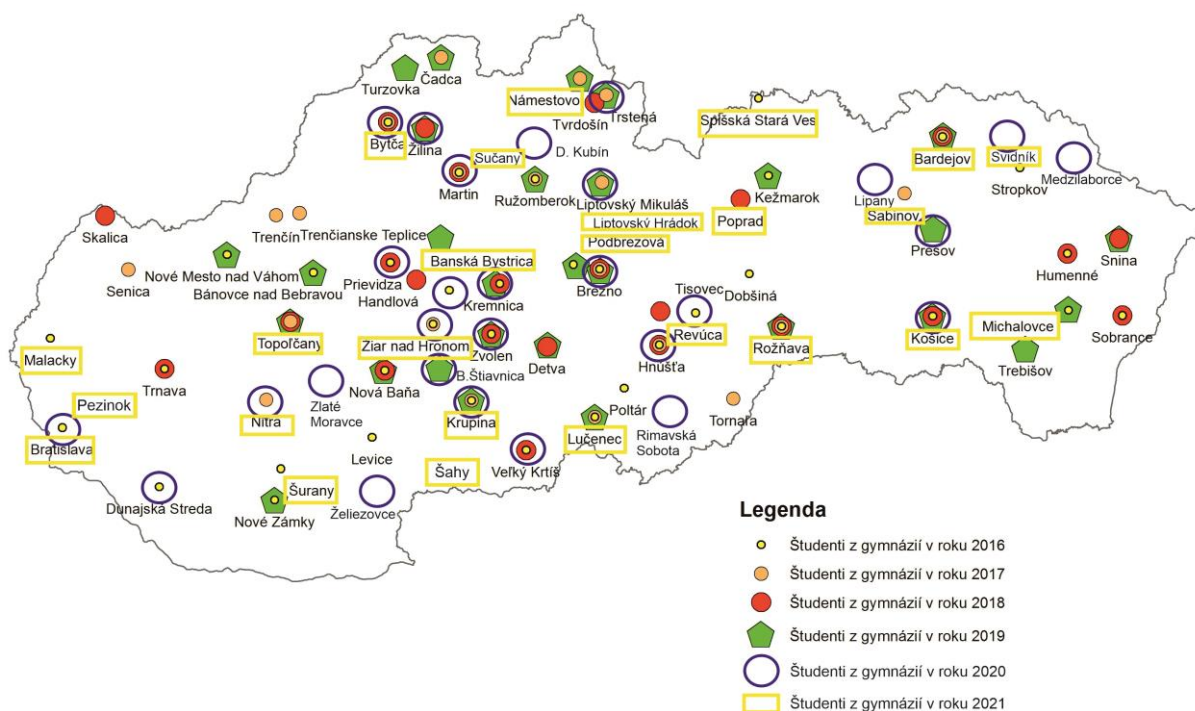


Fig. 6 Development of the representation of grammar school students in the first year of FF in the cities of Slovakia 2016-2021

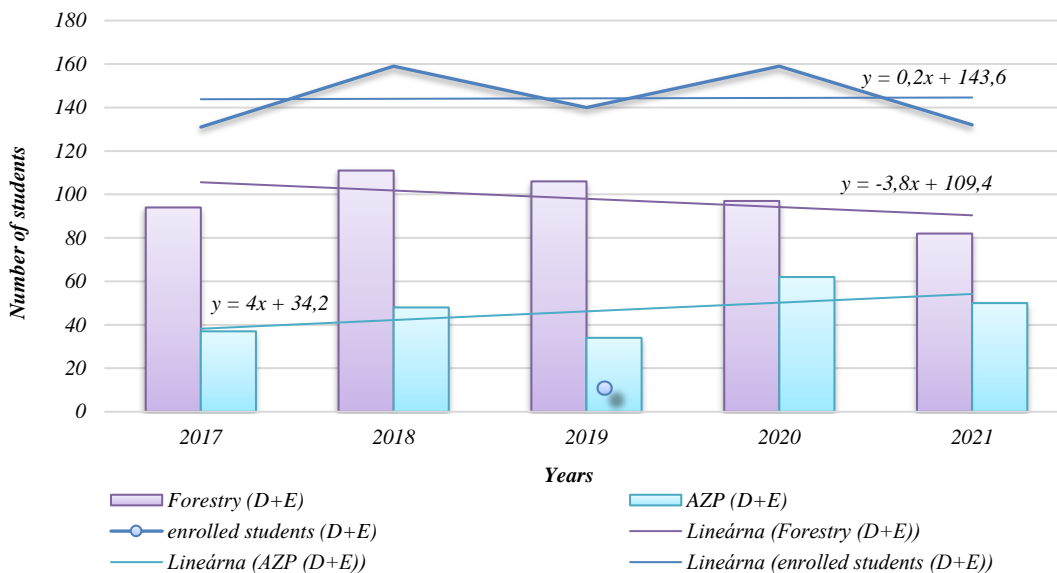


Fig.7 Comparison of enrolment trends (2017 - 2021)

Comparing the trends for the years 2017-2021, we can conclude the following (Figure 7):

- The total number of students enrolled (full-time and part-time) in the first year of the Bachelor's degree fell in the last year 2021 by 17%,
- The study programme AZP shows an increasing trend over the last 5 years and the study programme Forestry shows a slightly decreasing trend,

- The overall enrolment of students in the 2017-2021 reporting period has a steady trend despite its variability ( $at_r = 8.6\%$ ).

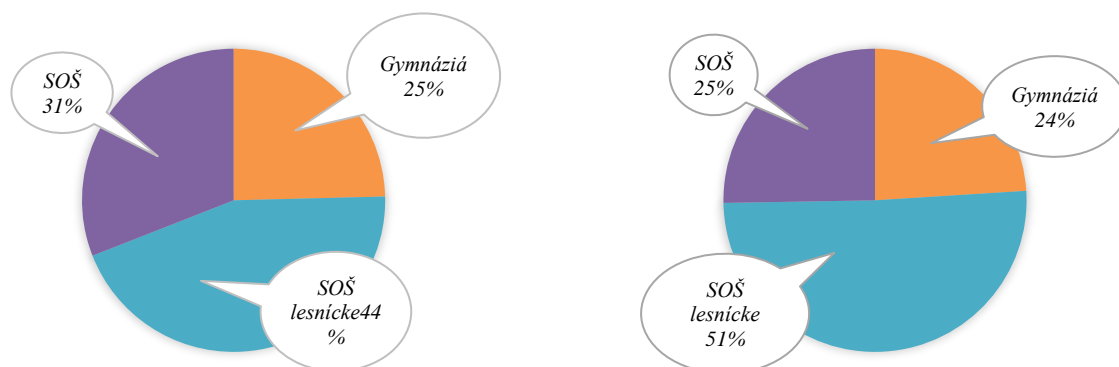


Fig. 8a Share of secondary schools in the FF 2021 portfolio Fig. 8b Share of secondary schools in the FF portfolio

2016 - 2021

Figures 8a and 8b detail the three main groups of students in the FF portfolio. It can be noted that on average over the last 5 years, forestry high school students make up 51%, high school students 24% and other high school students 25%. From the last surveyed year 2021, even non-forestry high school students are predominant (Figure 8a).

## 12. DRAFT EXTERNAL RELATIONS TASKS FOR 2022

In 2022, the strategy of promoting and motivating the personal growth of students for the purpose of their employability on the labour market, as well as the motivation of scientific and pedagogical staff of the faculty for the purpose of achieving quality in their teaching and research activities will be continued. *In view of the very uncertain outlook of the situation regarding the pandemic disease COVID-19, it will be necessary to continuously adapt marketing activities towards secondary school students, students of the Faculty of Forestry, their potential employers, as well as the scientific and pedagogical staff of the Faculty.* Efforts will be made to encourage, motivate students in their full-time as well as distance learning, promote the quality of the offered online/commented lectures and tutorials, promote scientific and other important outputs of the faculty's eminent students and scientists in TV and print media as well as on social networks in the form of paid advertisements, promote interdepartmental as well as interfaculty scientific teams with a tendency to form project teams (also on an online platform) on a spin-off basis.

### Task 1

#### ***Promotion and support of the quality of education and scientific activities of the Faculty of Forestry***

Continue to promote and motivate the personal growth of FF students in order to make them employable in the labour market with tailored marketing tools:

- face-to-face, telephone or online communication with potential employers in the LH sector,
- meeting with students in both face-to-face and online meetings,
- implementation and promotion of combined forms of education (face-to-face and distance learning),
- Motivating lectures for mastering distance learning in the form of online coaching,
- Active networking for ring, project activities, mobility and social marketing.

Similarly, for the scientific and pedagogical staff of the Faculty of Forestry, online coaching, active networking for mobility and social marketing will be used to achieve quality in teaching and research activities.

## **Task 2**

### ***Promotion and support of interdepartmental as well as interfaculty research teams***

Support of interdepartmental and interfaculty student scientific teams within the framework of the FF SVOČ with an orientation towards innovative projects with the aim of forming spin-off-based project teams. Similarly, the aim is to develop this activity among scientific and teaching staff towards achieving higher competitiveness of submitted research projects.

## **Task 3**

### ***Improving relations with secondary schools and international educational and research institutions***

Promotion of the faculty at national and international level in two main areas: scientific activities (electronic and personal promotion of scientific teams at professional forums) and study opportunities, faculty environment (modern and creative interior of TUZVO, online brochures, online fairs, international student activities, Erasmus+, CEEPUS) in conjunction with the city of Zvolen (green infrastructure and biotechnological innovations). Cooperation with secondary schools and involvement of their students in the faculty's SVOČ and research projects ([www.lesnickyvyskum.sk](http://www.lesnickyvyskum.sk)). Efforts to establish individual top scientists of the faculty and their teams within national and international structures of institutions such as EFI and IUFRO.