

# UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE CLUJ-NAPOCA, ROMANIA



TRADITION & MODERNITY









> 5600 yearly students

**600**

> foreign students



>200 international partnerships



29 BA Programmes



29 MA Programmes



1050 student scholarships



2 Doctoral Schools



2 research institutes



35 research centers & laboratories



# CONTENTS



1

RECTOR'S MESSAGE.....	2
THE BOARD.....	3
HISTORICAL OVERVIEW.....	4
FACULTY OF AGRICULTURE.....	7
FACULTY OF VETERINARY MEDICINE.....	9
FACULTY OF ANIMAL SCIENCES AND BIOTECHNOLOGY.....	11
FACULTY OF HORTICULTURE AND BUSINESS IN RURAL DEVELOPMENT.....	13
FACULTY OF FOOD SCIENCE AND TECHNOLOGY.....	15
FACULTY OF FORESTRY AND CADASTRE.....	17
DOCTORAL SCHOOL.....	19
DISTANCE AND PART-TIME LEARNING DEPARTMENT (DIDFR).....	21
TEACHING STAFF TRAINING DEPARTMENT (DPPD).....	22
RESEARCH, DEVELOPMENT AND INNOVATION.....	23
INTERNATIONAL RELATIONS OFFICE.....	25
FRANCOPHONE OFFICE.....	26
ERASMUS + OFFICE.....	27
THE LIBRARY.....	28
CAMPUS MAP.....	29
OTHER FACILITIES.....	31
DIDACTIC AND EXPERIMENTAL STATION - COJOCNA FARM.....	33
HORTICULTURAL RESEARCH STATION.....	34
WINE STATION - VINEA APOLDIA MAIOR.....	35
STUDENTS' ORGANIZATIONS.....	36
SPARE TIME.....	37
ABOUT CLUJ-NAPOCA.....	39

Throughout its existence, from 1869, our university has been one of the most prestigious Life Sciences Universities in Romania.

Each year, over 2000 students, specialists in agriculture, horticulture, biotechnology, animal science, veterinary medicine, food science and technology, successfully complete our university's courses. Due to the study lines in English and French, a significant number of foreign students join the University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca's (USAMV Cluj-Napoca) courses.

During the past ten years, USAMV Cluj-Napoca has grown significantly, especially due to the shift in its mission and strategy, towards becoming a university dedicated mostly to research.

According to the ARACIS national assessment, our University has been assessed twice by the European University Association, recently being ranked in the Top 12 of the best advanced research and education universities in Romania.

The SIR 2015 classification includes 23 universities and research institutes and, just as in last year's SIR classification, USAMV Cluj-Napoca is the only agriculture and veterinary medicine university in the country included in this ranking. Over 7000 teaching staff members and students benefit from state of the art technology and facilities for developing theoretical studies and practical courses.

Our university's campus takes pride in a modern library and a pilot farm spanning over an area of more than 2000 hectares, two research institutes, a gene bank, an aquarium, a botanical and comparative parasitology museum, an anatomy museum, as well as the first agro-botanical garden in Cluj-Napoca.

Over 400 international students from the European Union choose to study at our university each year, while more than 100 students are granted scholarships within the Erasmus program for studying abroad.

USAMV Cluj-Napoca pays particular attention to research, development and innovation. Thus, more than half of the University's budget comes from national and international grants.

Internationally, USAMV Cluj-Napoca has a very intense activity. The institution has ongoing operation agreements with universities and research institutes from over 40 countries, contributing as a proactive member to the activity of several international associations, such as: EUA, ICA, CASEE, DRC, AUF, GCHERA, BSUN etc.

RECTOR,  
Prof. CORNEL CĂTOI, DVM, PhD





# THE BOARD

3

## RECTOR

Prof. Cornel Cătoi, DMV, PhD  
E-mail: [rector@usamvcluj.ro](mailto:rector@usamvcluj.ro)

Prof. Dan Vodnar, PhD  
E-mail: [dan.vodnar@usamvcluj.ro](mailto:dan.vodnar@usamvcluj.ro)

PRESIDENT OF THE  
UNIVERSITY SENATE

## VICE-RECTORS

### Education

Prof. Ioana Delia Pop, PhD  
E-mail: [popioana@usamvcluj.ro](mailto:popioana@usamvcluj.ro)

### Quality Assurance and Computerisation

Prof. Andrea Bunea, PhD  
E-mail: [andrea.bunea@usamvcluj.ro](mailto:andrea.bunea@usamvcluj.ro)

### Social and Student Activities

Prof. Sorin Vâtcă, PhD  
E-mail: [sorin.vatca@usamvcluj.ro](mailto:sorin.vatca@usamvcluj.ro)

### Coordination of SDE and Relation with the Socioeconomic Environment

Assoc. Prof. Erzsebet Buta, PhD  
E-mail: [erzsebet.buta@usamvcluj.ro](mailto:erzsebet.buta@usamvcluj.ro)

### General Administrative Director

Lecturer Valentin Crișan, PhD  
E-mail: [dga@usamvcluj.ro](mailto:dga@usamvcluj.ro)

## VICE-RECTORS

### International Relations

Assoc. Prof. Marian Taulescu, PhD  
E-mail: [marian.taulescu@usamvcluj.ro](mailto:marian.taulescu@usamvcluj.ro)

### Research, Development and Innovation

Prof. Vlad Mureșan, PhD  
E-mail: [vlad.muresan@usamvcluj.ro](mailto:vlad.muresan@usamvcluj.ro)

### Administrative Coordination and Project Management

Prof. Adrian Macri, PhD  
E-mail: [adrian.macri@usamvcluj.ro](mailto:adrian.macri@usamvcluj.ro)

### Director of the Council for Doctoral Studies

Prof. Adela PINTEA, PhD  
E-mail: [apintea@usamvcluj.ro](mailto:apintea@usamvcluj.ro)

### Head Secretary - Teodora Pușcaș

+40 374 492 010, ext. 375  
E-mail: [tpuscas@usamvcluj.ro](mailto:tpuscas@usamvcluj.ro)





University of Agricultural Sciences and Veterinary Medicine 1894

**1869** USAMV CN is the successor of the prestigious Higher School of Agriculture of Cluj, founded more than 150 years ago, in October 1869, under the name of Institute of Agronomic Studies, Cluj-Manastur. In 1906, the Institute reached the level of Academy, becoming the Academy of Agriculture of Cluj.

For almost 50 years since its establishment, until the end of the second decade of the last century, the Agronomic School of Cluj comprised one department - that of agriculture - with a three-year duration of study.

**1906** The new statute of the Agricultural Sciences Academy was approved.

**1918** The creation of the unified national State in 1918 marked the beginning of a new stage in the evolution of the Agronomic School of Cluj. Since then, it has developed continuously, due to the efforts and competence of many ensuing generations of teachers and students of the agronomic education of Cluj at that time.

**1919** In 1919 the agronomic academic education in our country has been set to four years of study, out of which three of theoretical studies, and a fourth year of internship in state-owned or private farms. Since 1919 the graduates have been receiving the degree of "agronomic engineer".

**1929** In 1929 after the reorganization and modernization of the higher agronomic education, the Agronomic School of Cluj became the Academy of High Agronomic Studies Cluj.

## HISTORICAL OVERVIEW

**1940** As a result of the Vienna Dictate, between 1940-1945, the Academy of Agriculture of Cluj (teaching staff, students and part of its inventory) took refuge in Timisoara, where they carried out their activity as the Faculty of Agronomy, Cluj-Timisoara. In 1945, the Faculty of Agronomy returned to Cluj. Since 1948, it functioned as the Agronomic Institute of Cluj, initially with one Faculty, that of Agriculture.

**1962** In 1962, the Faculty of Veterinary Medicine was created.

**1968** The Faculty of Animal Science came into being in 1968.

**1977** In 1977 the Department of Horticulture was founded, and merging with the Department of Agriculture, they formed the Faculty of Agriculture and Horticulture.



University of Agricultural Sciences and Veterinary Medicine 1894

5



University of Agricultural Sciences and Veterinary Medicine 1908

**1990** In 1990 the University was reorganized into four faculties: (Agriculture, Veterinary Medicine, Animal Science and Horticulture), and later on, new programs were created within long term education (Bsc), master courses (MS), PhD studies (PhD), distance learning (DL) and part-time learning (PTL).

**1991** In 1991 the Agronomic Institute changed its name to University of Agricultural Sciences, then, in 1995, to University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca. The educational system has been aligned to Bologna Standards, and the European Credit Transfer and Accumulation System (ECTS) credit system was introduced in 1998.

**2012** After 20 years of successful studies in food science, the university's department of Food Science was transformed into the Faculty of Food Science and Technology.



In its over 155 years of existence, our University has strived to be a pole of reference, bridging research development and academic excellence. As future goals, we aim to continue delivering high quality education, with a practical approach, to strengthen our international partnerships and to maximize our research potential.

University of Agricultural Sciences and Veterinary Medicine, Life Sciences Institute



2022

August 2022, a new faculty is established: the Faculty of Forestry and Cadastre.

*Present*

USAMVCN is one of the most prestigious universities in Romania. It is a member of the Consortium of Universities of Agricultural Sciences, of the Consortium of Universities of Cluj- Napoca and also a member of the European University Association, following its official assessment in 2003.

The university enjoys a national and international prestige, thanks to the high education, research and innovation, due to the close relationship with the economic and social environment, and not least of the internationalization of its activity. The university occupies honorable places in national and international rankings, based on the visibility of its education and research.

6

### **Faculty of Agriculture**

offers a new approach towards earth and life sciences and the biodiversity of the living world.

### **Faculty of Veterinary Medicine**

is known for the quality of its education - an EAEVE certified Romanian faculty for excellence in veterinary education.

### **Faculty of Animal Science and Biotechnologies**

has an education based on modern breeding technology and including strong biotechnology programs.

### **Faculty of Horticulture and Business in Rural Development**

shows a continuous diversification from economics and tourism to landscape science and forestry.

### **Faculty of Food Science and Technology**

trains specialists in the field of food engineering, food quality control, expertise and food science.

### **Faculty of Forestry and Cadastre**

ensures the academic training of specialists in the fields of Forestry and Geodesic Engineering.







## WHY CHOOSE THE FACULTY OF AGRICULTURE?

- The chance to interact with top specialists in the agricultural field, during practical training, field visits and educational trips;
- Scholarships and practical training abroad, at the over 70 partner universities;
- Modern facilities for study, accommodation, lunch, practical training and recreation;
- Dynamic student experience, participation to various projects, students' communities, sports competitions, field trips and parties.

7

The Faculty of Agriculture in Cluj-Napoca was the first faculty founded within our university, in 1869. Today, it has a leading position among the country's faculties from the same field, being a faculty where respect towards the profession is taught along with the other human values: honesty, responsibility and team spirit.

The mission is to train specialists, by promoting the excellence of education at the level of Bachelor's, Master's and Doctor's Degree. The faculty has specializations with a strong tradition in the rural area: agriculture, mountain agriculture, as well as novel specializations, such as: biology, environmental engineering, machineries and installations for agriculture and food industry.

The students have the option to continue their professional training in the field, through Master's Degree specializations, such as: organic agriculture, management of natural and agritourism resources, rural development, applied biology, expertise and phytosanitary protection, protection of natural and anthropic systems, but also to specialize in the field of agronomy, through a doctorate.

The faculty's high profile is provided by the professional prestige of our teaching staff members, whose preoccupation for the quality of the educational process is harmoniously combined with the research activity. The obtained results lead to the consolidation of the faculty's position as a pillar of excellence in research. The teaching staff also provides consultancy in the fields of competence, for private companies, manufacturers and stakeholders.



## BACHELOR STUDIES 4 FL Ro

Agriculture + DL  
 Montanology  
 Environmental Engineering + DL  
 Machineries and Equipments for Agriculture and Food Industry  
 Biology (only) 3

## MASTER STUDIES 2 FL Ro

Organic Agriculture  
 Management of Natural and Agrotourism Resources  
 Expertise and Phytosanitary Protection  
 Rural Development  
 Agriculture, Climatic Changes and Food Safety Fr  
 Applied Biology  
 Protection of Natural and Anthropic Systems  
 Technical Systems for Agriculture Production and Processing

## CAREER PATH

Engineer on private, individual or associative farms;  
 Specialists for consultancy centers, environmental agencies and research centers;  
 Specialist in ecology and environment protection.

8

## CONTACT

## DEAN

Prof. Teodor RUSU, PhD  
 E-mail: [trusu@usamvcluj.ro](mailto:trusu@usamvcluj.ro)

## VICE-DEANS

**Academic and Quality Assurance**

Prof. Florin Simion PĂCURAR, PhD  
 E-mail: [florin.pacurar@usamvcluj.ro](mailto:florin.pacurar@usamvcluj.ro)

**Research, Development and Innovation**

Assoc. Prof. Mignon Severus SANDOR, PhD  
 E-mail: [sandor.mignon@usamvcluj.ro](mailto:sandor.mignon@usamvcluj.ro)

**Social and Student Activities**

Lecturer Alexandru GHETE, PhD  
 E-mail: [alexandru.ghete@usamvcluj.ro](mailto:alexandru.ghete@usamvcluj.ro)

## SECRETARIAT

+40 374 492 010, ext. 187;  
 E-mail: [secretariat.agricultura@usamvcluj.ro](mailto:secretariat.agricultura@usamvcluj.ro)







## WHY CHOOSE THE FACULTY OF VETERINARY MEDICINE?

- International environment, field trips;
- Approved by EAEVE;
- Numerous collaboration and cooperation relations with various faculties in the field, from Europe and the US, through which the teaching staff and students have benefited from mobility scholarships, specialization training or scholarships;
- Intensely practical courses, professional training;

Listed in the first league of EU veterinary medicine faculties.

9

The cornerstone of the Faculty of Veterinary Medicine was laid in 1962, in the context of the need for a national medical veterinarian education, compliant with the mandatory requirements involved by breeding and ensuring the quality of livestock.

Since its founding, the Faculty of Veterinary Medicine has been part of the Institute of Agronomy and later on of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca.

The duration of the studies was initially 5 years, and, in 1990, the syllabus was restructured for 6 years of studies. After the Bachelor's Degree exam, the graduates would receive the title of veterinary physician. In its over 55 years of existence, the faculty has trained and educated over 5000 veterinary physicians.

In 2007, the assessment committee has considered that Faculty of Veterinary Medicine in Cluj-Napoca has managed to comply with the main recommendations of the committee and join the positive list of European faculties, being listed in the first league, represented by the top 40 faculties of veterinary medicine in Europe. All the aforementioned aspects, which positively integrate in a spectacular natural environment, along with the specifics and traditions of the student life in Cluj, Turn the Faculty of Veterinary Medicine in Cluj-Napoca into an adequate space for professional training, for those joining each year, and a favorable environment for young people with a passion for study, in achieving their dream of becoming veterinary physicians.

Since April 2017, the faculty is fully approved by the European Association of Establishments for Veterinary Education, as it complies with the recommendations of the committee, joining the positive list of European faculties.



## BACHELOR STUDIES 6 FL

Veterinary Medicine Ro

Veterinary Medicine En

Veterinary Medicine Fr



## VETERINARY EMERGENCY HOSPITAL

The Veterinary Emergency Hospital permanently provides emergency veterinary services for all pet categories. It promotes high-quality emergency veterinary medicine services, provided by a dynamic, ambitious and competent team.



## CONTACT

Assoc. Prof. Cosmin PEȘTEAN

☎ +40 264 431 910

E-mail: [cosmin.pestean@usamvcluj.ro](mailto:cosmin.pestean@usamvcluj.ro)

## CAREER PATH

Urban/rural veterinary physician;  
Biomedical researcher;  
Veterinary police;  
Nutritionist, epidemiologist.

10

## CONTACT

## DEAN

Prof. Nicodim FIȚ, DVM, PhD

E-mail: [nfit@usamvcluj.ro](mailto:nfit@usamvcluj.ro)

## VICE-DEANS

**Academic and Quality Assurance**

Assoc. Prof. Cosmin PEȘTEAN, DVM, PhD

E-mail: [cosmin.pestean@usamvcluj.ro](mailto:cosmin.pestean@usamvcluj.ro)**Research, Development and Innovation**

Prof. Sanda ANDREI, PhD

E-mail: [sandreai@usamvcluj.ro](mailto:sandreai@usamvcluj.ro)**Social and Student Activities**

Prof. Mihai CENARIU, PhD

E-mail: [mihai.cenariu@usamvcluj.ro](mailto:mihai.cenariu@usamvcluj.ro)**Postgraduate Training and ONE HEALTH Development**

Assoc. Prof. Constantin CERBU, PhD

E-mail: [constantin.cerbu@usamvcluj.ro](mailto:constantin.cerbu@usamvcluj.ro)

## SECRETARIAT

☎ +40 374 492 010, ext. 118, 105;

E-mail: [secretariat.medicinaveterinara@usamvcluj.ro](mailto:secretariat.medicinaveterinara@usamvcluj.ro)





## WHY CHOOSE THE FACULTY OF ANIMAL SCIENCES AND BIOTECHNOLOGY?

- The opportunities and challenges that the fields of study and science research offer;
- Scholarships at partner universities from abroad, within several programs;
- Biotechnology is an interdisciplinary specialization that uses biological systems, living organisms or their components and cellular and bio-molecular process to make technologies that improve our lives.

11

In 1935, a separate Animal Science department emerges, which is operational until 1946. The Animal Science Department is reinstated in 1959 with one graduate series, and in 1968, the Faculty of Animal Science, as a distinct entity, is founded.

After 1992, the Faculty of Animal Science developed other specializations (Agricultural Biotechnology, Fisheries and Aquaculture, Biotechnologies for the Food Industry) and is named the Faculty of Animal Science and Biotechnologies.

Currently, the Faculty of Animal Science and Biotechnology is a prestigious academic unit, acknowledged and appreciated at a national and international level for the quality of the education and scientific research conducted, for the skills of the teaching staff and the value of the graduates in the following fields: Animal Science, Agricultural Biotechnologies, Medical and Veterinary Biotechnologies, Fisheries and Aquaculture, Biotechnologies for the Food Industry.

Here, the students develop their farming skills in empirical activities, carried out in specialized structures such as animal farms and laboratories equipped to state-of-the-art standards, such as laboratories for in vitro fertilization and animal cell cultures; beekeeping and silk culture laboratory; animal nutrition laboratory; laboratory of quality control of bee products and others.



## BACHELOR STUDIES 4 FL Ro

Animal Science + DL  
 Fishery and Aquaculture  
 Biotechnologies  
 Animal Behaviour and Welfare En

## MASTER STUDIES 2 FL Ro

Management of Animal Breeding and Aquaculture  
 Quality Management of Animal Origin Products  
 Applied Biotechnologies Ro  
 Applied Biotechnologies En  
 Ethology and Human Animal Interaction En  
 Management of aquaculture resource

## CAREER PATH

Engineer in livestock and fish farms;  
 Engineer aquaculture or fishing;  
 Researcher in biotechnology field,  
 research laboratories;  
 Expert in certification and evaluation of  
 livestock productions and products;  
 Behaviourist.

12

## CONTACT

### DEAN

Prof. Daniel DEZMIREAN, PhD  
 E-mail: [ddez mirean@usamvcluj.ro](mailto:ddez mirean@usamvcluj.ro)

### VICE-DEANS

#### Academic and Quality Assurance

Prof. Marius ZĂHAN, PhD  
 E-mail: [mzahan@usamvcluj.ro](mailto:mzahan@usamvcluj.ro)

#### Research, Development and Innovation

Lecturer Adriana URCAN, PhD  
 E-mail: [adriana.urcan@usamvcluj.ro](mailto:adriana.urcan@usamvcluj.ro)

#### Social and Student Activities

Prof. Adriana CRISTE, PhD  
 E-mail: [adriana.criste@usamvcluj.ro](mailto:adriana.criste@usamvcluj.ro)

### SECRETARIAT

+40 374 492 010, ext. 192;  
 E-mail: [secretariat.zootehnie@usamvcluj.ro](mailto:secretariat.zootehnie@usamvcluj.ro)







## WHY CHOOSE THE FACULTY OF HORTICULTURE AND BUSINESS IN RURAL DEVELOPMENT ?

- Bachelor and master programs with great career opportunities;
- Outstanding educational and research facilities, horticultural experimental station, greenhouses, vineyard experimental station, etc.;
- Academic and research staff with strong international scientific recognition;
- Direct link with a wide diversity of stakeholders offering students practical possibilities, internships etc.;
- Job opportunities starting with the bachelor programs;
- A vibrant campus in the middle of Cluj-Napoca City located in the heart of the iconic Transylvanian Romanian historical province environment.

13



Created in 1977, the Faculty of Horticulture and Business in Rural Development has rapidly become one of the leading Romanian education institutions. While improving its structure, new academic programs were created and important investments in the academic staff and in the research, infrastructure were made.

The outstanding teaching facilities include dedicated teaching staff, cutting-edge equipment, and experimental teaching laboratories. The presence of a vast nearby agro-botanical garden, an experimental orchard, a vineyard, and the greenhouses represent an open-air study field, as well as inspirational surroundings for the cultural designed landscape.

Facilities are extensive and include state-of-the-art equipment and expertise in horticulture sciences and business for rural development. Our students can make their own research contribution by conducting research projects in the laboratories of these leading scientists in the final bachelor year, the master and the doctoral programs.

All these realities support the mission of the faculty. We aim to find relevant answers to national and international challenges in the field of sustainable rural development through education, research, and extension in horticultural precision technologies and in the field of agricultural business, through environmental protection and the development of successful non-agricultural landscaping businesses, tourism and public catering, promoters of the circular local economy.



## BACHELOR STUDIES 4 FL Ro

Horticulture + DL  
 Landscape design  
 Engineering and Management in Agribusiness  
 Engineering and Management in Food Services  
 and Agritourism Business  
 Management and Engineering in Tourism Industry

## MASTER STUDIES 2 FL Ro

Horticultural Sciences  
 Landscaping Design and Maintenance of Green Areas  
 Genetic Engineering in Plant Breeding  
 Production Technology and Valorization of Special Wines and  
 Derived Products  
 Agribusiness En  
 Management in Rural Development and Agritourism

## CAREER PATH

Engineer in horticulture, landscape engineer;  
 Teaching and scientific staff in research  
 institutions and pre-university education and  
 university;  
 Business manager in agriculture and non-  
 agricultural activities;  
 Adviser;  
 Banking, insurance, multinational  
 companies for the distribution of machinery,  
 seeds, feed and other inputs;  
 Economic departments (management,  
 marketing, financial-accounting, HR) or  
 Engineering departments in a wide range of  
 commercial companies;  
 Public institutions.

14

## CONTACT

### DEAN

Prof. Ionel-Mugurel JITEA, PhD  
 E-mail: [mjitea@usamvcluj.ro](mailto:mjitea@usamvcluj.ro)

### VICE-DEANS

#### Academic and Quality Assurance

Prof. Diana-Elena DUMITRAȘ, PhD  
 E-mail: [ddumitras@usamvcluj.ro](mailto:ddumitras@usamvcluj.ro)

#### Research, Development and Innovation

Assoc. Prof. Cătălina DAN, PhD  
 E-mail: [catalina.dan@usamvcluj.ro](mailto:catalina.dan@usamvcluj.ro)

#### Social and Student Activities

Lecturer Alexandru-Ioan APAHIDEAN, PhD  
 E-mail: [alexandru.apahidean@usamvcluj.ro](mailto:alexandru.apahidean@usamvcluj.ro)

### SECRETARIAT

+40 374 492 010, ext. 117, 113;  
 E-mail: [secretariat.horticultura@usamvcluj.ro](mailto:secretariat.horticultura@usamvcluj.ro)







## WHY CHOOSE THE FACULTY OF FOOD SCIENCE AND TECHNOLOGY?

- The food industry is one of the largest on the planet, and people will always have to eat. This means if you are working anywhere along the food supply chain, you will always have a job.
- The Faculty offers a wide array of high relevant, bachelor and master academic degree programs, some of the best ranked food science and technology programs in Romania.
- Modern facilities that provide resources and services for the academic communities to conduct teaching and research in the food fields.
- Whether you are creating exciting new products, testing products for quality, or doing research, you will be exposed to an amazing experience.

15

The Faculty of Food Science and Technology is one of the youngest faculty within the University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca. The youthful spirit and energy can be seen in a continuous adaptation of the study programs to the inevitable globalization.

The student development best practices are conducted in well-equipped labs and pilot plant stations designed and equipped with fundamental unit operation for food processing.

Even if you choose one of the bachelor's programs – Tehnology of Agricultural Products Processing; Control and Expertise or Food Product, Food Engineering, master program - Food Quality Management; Gastronomy, Nutrition and Dietetics; Systems for the Processing and Control of Food Quality; Food Safety and Consumer Protection, or a doctoral program - Biotechnology; Food Engineering, you will find a perfect combination among theoretical knowledge and practical skills.

Well prepared and enthusiastic university teachers will lead you in domains as food chemistry, food (bio)technology, food engineering, food microbiology, food control and so on. An integrated teaching and elaboration of a multidisciplinary strategy will face students also with domains as sustainability of food production, nutrition, food toxicology, biosecurity, gastronomy, functional products, advanced processing and quality control techniques.



## BACHELOR STUDIES 4 FL Ro

Technology of Agricultural Products Processing + DL  
Control and Expertise of Food Product  
Food Engineering

## MASTER STUDIES 2 FL Ro

Food Quality Management En  
Gastronomy, Nutrition and Dietetics Ro  
Gastronomy, Nutrition and Diet etics En  
Food Processing Systems and Quality Control  
Food Safety and Consumer Protection

## CAREER PATH

Food industry engineer  
Food safety auditor  
Entrepreneur in the food industry  
Researcher in the food industry  
Researcher in food science  
Food industry advisor  
Extrajudicial technical expert  
Engineering inspector in customs offices  
Engineering inspector in the team of consumer protection authorities  
Engineering inspector in the team of public health authorities  
Teacher at university and Preuniversity Education

16

## CONTACT

## DEAN

Prof. Elena MUDURA, PhD.  
E-mail: [elena.mudura@usamvcluj.ro](mailto:elena.mudura@usamvcluj.ro)

## VICE-DEANS

**Academic and Quality Assurance**

Assoc. Prof. Teodora Emilia COLDEA, PhD  
E-mail: [teodora.coldea@usamvcluj.ro](mailto:teodora.coldea@usamvcluj.ro)

**Research, Development and Innovation**

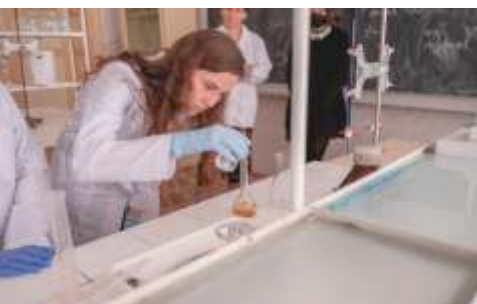
Assoc. Prof. Oana Lelia POP, PhD  
E-mail: [oana.pop@usamvcluj.ro](mailto:oana.pop@usamvcluj.ro)

**Social and Student Activities**

Assoc. Prof. Carmen Rodica POP, PhD  
E-mail: [carmen-rodica.pop@usamvcluj.ro](mailto:carmen-rodica.pop@usamvcluj.ro)

## SECRETARIAT

+40 374 492 010, ext. 291;  
E-mail: [secretariat.sta@usamvcluj.ro](mailto:secretariat.sta@usamvcluj.ro)







## WHY CHOOSE THE FACULTY OF FORESTRY AND CADASTRE?

- More than 700 students have chosen to study within the Faculty of Forestry and Cadastre so far;
- Faculty of Forestry and Cadastre offers bachelor and master studies in the field of Forestry and Topography & Geodesy; Students have at their disposal welcoming laboratories equipped with the latest technology. We mention some of the devices used by students: total stations, terrestrial laser scanner, drones, GPS receivers, Pressler drill, forestry clupe, microscope, hypsometer, PH-meter, seed sorter, seed quality testing system, seed moisture meter, seed counting device, wood moisture meter, chlorophyll meter, oven.
- The Faculty has a hunting fund, a campus where there are various species of trees;
- Part of the laboratory work takes place outside: on campus or in the experimental fields of the University;
- The curriculum is adapted to the requirements economic environments;
- Over 80% of graduates are employed in the field of their graduation within 6 months from the end of their studies.

17

The Faculty of Forestry and Cadastre is one of the six academic structures that constitute the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania.

Within the Faculty of Horticulture, the Department of Topography and Exact Sciences has operated since its foundation in 1977. The Department of Forestry existed within the Faculty of Horticulture before 2000. Due to the increased demand for graduates in these fields, the two departments developed and from 2022 they were established within a new faculty - the Faculty of Forestry and Cadastre.

Departments within the faculty were continuously developed from an academic perspective, research activities and international relations. The academic staff and auxiliary staff are dedicated to the students' professional, intellectual and personal development. All the above are sustained by an adequate academic and research infrastructure.

Our graduates can make an objective self-assessment of the needs of continuous professional training, with the aim of adapting and being resilient to the demands imposed by innovation in the field of geodetic engineering or fields of forestry.

Our students are encouraged to take into account the needs of the community in which they will work as well as the global needs.

## BACHELOR STUDIES 4 FL Ro

Forestry  
Land Surveying and Cadastre  
Land Surveying and Cadastre En

## MASTER STUDIES 2 FL Ro

Monitoring Systems and Cadastre  
Forest Ecosystems Management  
Sustainable Management of Biodiversity and Forestry Resources

## CAREER PATH - FORESTRY

Engineer designer in forestry  
Consultant forestry engineer  
Expert forestry engineer  
Specialist forest engineer inspector  
Specialist forest engineer  
Forestry engineer/sub-engineer  
Research engineer in forestry

## CAREER PATH - LAND MEASUREMENTS AND CADASTRE

Land surveyor  
Surveying engineer  
Geomatics surveyor  
Real estate appraiser

# 18

## CONTACT

### DEAN

Prof. Tudor SĂLĂGEAN, PhD.  
E-mail: [tudor.salagean@usamvcluj.ro](mailto:tudor.salagean@usamvcluj.ro)

### VICE-DEANS

#### Academic and Quality Assurance

Prof. Florica MATEI, PhD  
E-mail: [faldea@usamvcluj.ro](mailto:faldea@usamvcluj.ro)

#### Research, Development and Innovation

Assoc. Prof. Horia-Dan VLASIN, PhD  
E-mail: [horia.vlasin@usamvcluj.ro](mailto:horia.vlasin@usamvcluj.ro)

#### Social and Student Activities

Lecturer Vasile CEUCA, PhD  
E-mail: [vasile.ceuca@usamvcluj.ro](mailto:vasile.ceuca@usamvcluj.ro)

### SECRETARIAT

+40 374 492 010, ext. 134;  
E-mail: [secretariat.fsc@usamvcluj.ro](mailto:secretariat.fsc@usamvcluj.ro)







19

The University of Agricultural Sciences and Veterinary Medicine of Cluj-Napoca is an institution that has undertaken the mission of advanced research. In order to follow this strategy, the doctoral studies constitute a major component. The University is accredited as an Institution for Doctoral Studies (IOSUD) and consists of two doctoral schools dedicated to Agricultural Engineering and Veterinary Medicine.

The doctoral studies, shortly referred to as PhD studies, constitute the third cycle of university studies offered by our institution and allow for a PhD at a Level 8 qualification from the European Qualifications Framework (EQF) and from the National Framework Qualifications (CNC). Our doctoral schools offer solely scientific doctoral studies, focusing on research and innovation, with the objective of forming the human resource for the professional career in higher education, as well as in research and development. The doctoral domains at USAMV CN are: Agronomy, Horticulture, Animal Science, Biotechnology, Engineering and Management in Agriculture and Rural Development, and Veterinary Medicine.

Full-time learning and distance learning programmes are available within our doctoral schools, for which budgeted and tuited places are allocated.

The doctoral schools are run by the Doctoral Studies Council (CSUD), consisting of PhD supervisors and PhD candidates. The CSUD is coordinated by a director, assimilated to the vice-rector position. The mission of CSUD is to organize PhD studies, which are carried out within the doctoral degree programs, offered by our doctoral schools through their 94 supervisors.

Annually, an admission contest is organized in September for the approximately 80 places of the two doctoral schools for the seven doctoral domains. Full-time learning PhD studies are funded by scholarships granted by the Ministry of Education. The doctoral students who were admitted without ministerial scholarship, but opted to work in the university's laboratories, can be granted special scholarships from the University's own resources.

Doctoral students are encouraged during their studies to undertake internships in foreign universities with which partnerships are concluded in the "Erasmus" program.

**PHD STUDIES - AGRONOMY** 3 FL Ro

Plant Protection  
 Pedology  
 Genetics and Plant Breeding  
 Agricultural Techniques  
 Plant Science  
 Agricultural Chemistry  
 Fodder Production and Storage  
 Land Improvements  
 Vegetable Raw Materials  
 Agricultural Management and Marketing  
 Operation of the Land Improvement System and Irrigation of Crops  
 Microbiology

**PHD STUDIES - HORTICULTURE** 3 FL Ro

Vegetable Growing  
 Genetics and Plant Breeding  
 Floriculture and Ornamental Arboriculture  
 Fruit Growing  
 Wine Growing  
 Biodiversity, bioconservation and biostatistics

**PHD STUDIES - ENGINEERING AND MANAGEMENT IN AGRICULTURE AND RURAL DEVELOPMENT** 3 FL Ro

Management and business management  
 Analysis of rural development strategies  
 Statistical modeling of rural areas  
 Marketing research  
 Economic evaluation of natural resources and ecosystem services  
 Agricultural policies and rural development  
 Sustainable agroforestry systems  
 Agribusiness  
 Strategic planning in agriculture and rural development, management consulting

**PHD STUDIES - BIOTECHNOLOGIES** 3 FL Ro

Biochemistry and Biotechnology of Agro-food Products  
 Plant Biotechnologies  
 Biophysics and Biotechnology of Agro-food Products  
 Food Biotechnologies  
 Capitalization of food by-products and biologically active compounds  
 Bionanotechnologies  
 Reproductive biotechnologies  
 Beekeeping and sericulture biotechnologies

**PHD STUDIES - ANIMAL SCIENCES** 3 FL Ro

Animal Products Technology  
 Animal Physiology  
 Animal Nutrition and Feeding  
 Animal Genetics and Breeding  
 Assisted Selection of Genetic Markers (MAS)

**PHD STUDIES - VETERINARY MEDICINE** 4 FL Ro

Infectious Diseases  
 Normal and Pathological Morphology  
 Veterinary Obstetrics and Andrology  
 Animal Hygiene  
 Parasitic Diseases  
 Medical Semiology and Pathology  
 Microbiology – Immunology  
 Surgical Pathology  
 Sanitary and Veterinary Technology and Expertise  
 General and Special Animal Science  
 Pharmacology and Toxicology  
 Normal and Pathological Physiology  
 Anaesthesiology, Propedeutics and Surgical Techniques

20

**PHD STUDIES - FOOD ENGINEERING** 3 FL Ro

Extractive Technology  
 Food Quality Analysis and Control  
 Fermentation Technologies  
 Food Microbiology  
 Milk and Dairy Technology

**CONTACT**

Prof. Adela PINTEA, PhD / CSUD DIRECTOR  
 E-mail: [apintea@usamvcluj.ro](mailto:apintea@usamvcluj.ro)

Prof. Cristina POCOL, PhD / Agricultural and Engineering Sciences Doctoral School Director  
 E-mail: [cristina.pocol@usamvcluj.ro](mailto:cristina.pocol@usamvcluj.ro)

Prof. Ioan MARCUS, PhD / Veterinary Medicine Doctoral School Director  
 E-mail: [ioan.marcus@usamvcluj.ro](mailto:ioan.marcus@usamvcluj.ro)

**SECRETARIAT**

+40 374 492 010, ext. 403;  
 E-mail: [rodica.oana@usamvcluj.ro](mailto:rodica.oana@usamvcluj.ro)



# DISTANCE AND PART-TIME LEARNING DEPARTMENT (DIDFR)



The Distance and Part-Time Learning Department (DIDFR) within USAMV Cluj-Napoca was founded in 2000 and is currently operating in compliance with the Standards for Distance and Part-Time Learning and those of its own regulations, approved by the University Senate.

Distance and Part-Time Learning involves the use of a wide variety of educational technologies: printed study materials, interactive audio-video and multimedia techniques, remote classes, computer based teaching techniques, practical works and seminars.

The academic options are centered around the student's needs for training, regardless of the location where he/she is learning. USAMV Cluj-Napoca provides a wide range of IDFR academic programs, certified or authorized, having an adequate material base of specific academic resources, a tutorial educational staff network, specialized in IDFR technology, for the following specializations:

- Faculty of Agriculture: Agriculture and Environmental Protection
- Faculty of Horticulture and Business in Rural Development: Horticulture
- Faculty of Animal Science and Biotechnology: Animal Science
- Faculty of Food Science and Technology: Technology of Agricultural Products Processing

“The courses are well structured and presented, focusing on the main aspects of the subjects” (Marius Băican, student)

21

“DIDFR gave me the opportunity to think outside the box and follow an old passion of mine.”  
(Levente-Bela Debreczeni, student)

## CONTACT

### DIRECTOR

Prof. Anca ROTAR, PhD  
☎ +40 374 492 010, ext. 106;  
Email: [anca.rotar@usamvcluj.ro](mailto:anca.rotar@usamvcluj.ro)

### Secretary

Florina VAIDA  
☎ +40 374 492 010, ext. 283;  
Email: [secretariatidfr@usamvcluj.ro](mailto:secretariatidfr@usamvcluj.ro)

### Agriculture

Assoc. Prof. Paula Ioana MORARU, PhD  
☎ +40 374 492 010, ext. 206;  
E-mail: [paulaioana.moraru@usamvcluj.ro](mailto:paulaioana.moraru@usamvcluj.ro)

### Horticulture

Lecturer Andreea ANDRECAN, PhD  
☎ +40 374 492 010, ext. 179;  
E-mail: [andreea.tripon@usamvcluj.ro](mailto:andreea.tripon@usamvcluj.ro)

### Animal Science

Lecturer Cristina HEGEDUS, PhD  
☎ +40 374 492 010, ext. 255;  
E-mail: [cristina.hegedus@usamvcluj.ro](mailto:cristina.hegedus@usamvcluj.ro)

### Environmental Protection

Prof. Aurel MAXIM, PhD  
☎ +40 374 492 010, ext. 263;  
E-mail: [aurel.maxim@usamvcluj.ro](mailto:aurel.maxim@usamvcluj.ro)

### Technology of Agricultural Products Processing

Assoc. Prof. Anamaria POP, PhD  
☎ +40 374 492 010, ext. 219;  
E-mail: [anamaria.pop@usamvcluj.ro](mailto:anamaria.pop@usamvcluj.ro)

# TEACHER TRAINING DEPARTMENT (DPPD)

The Teacher Training Department (DPPD) is an important part of the University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, aiming to provide the psycho-pedagogical training of students and graduates who also want to choose a teaching career/teaching profession.

The Teacher Training Department currently provides 2 types of academic programs:

**1.** The psycho-pedagogical educational program necessary to obtain Level I and Level II certification for the teaching profession achieved through:

- Academic education programs for obtaining Level I certification (initial level) during the first 3 years of university studies. This certification gives graduates the opportunity to become teachers in the mandatory secondary education according to the Romanian education system;
- Postgraduate courses for obtaining Level I and Level II certification (advanced study). This teacher education programs are addressed to graduates with specific bachelor degrees, Level I graduates and/or PhD students who want to teach in high schools or higher education.

**2.** Continuous training and professional development programs for teachers, achieved through:

- Courses for the didactical qualification exams;
- Methodical activities and teacher education programs for pre-university teachers in order to achieve didactic grades: 2nd didactic grade and 1st didactic grade for the following specializations:
  - Agriculture
  - Mountain Agriculture
  - Biology
  - Agricultural Product Processing Technology
  - Horticulture
  - Animal Science
  - Veterinary Medicine



22



## CONTACT

### DIRECTOR

Assoc. Prof. Ioana ROMAN, PhD

+40 374 492 010, ext. 289;

E-mail: [ioana.roman@usamvcluj.ro](mailto:ioana.roman@usamvcluj.ro)

### Secretary

Eng. Camelia ALĂMOREAN

+40 374 492 010, ext. 289;

E-mail: [camelia.alamorean@usamvcluj.ro](mailto:camelia.alamorean@usamvcluj.ro)

DPPD is authorized by ARACIS to issue graduation certificates

DPPD provides annually education to more than 800 students enrolled in all specializations of our university.



# RESEARCH, DEVELOPMENT AND INNOVATION



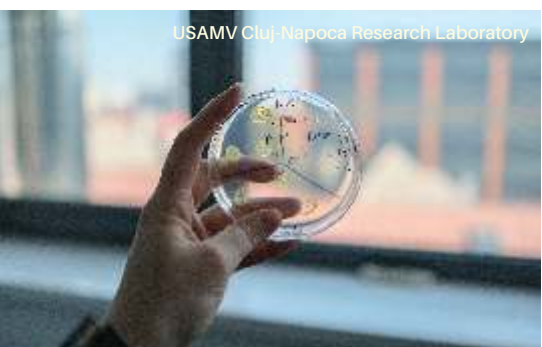
USAMV Cluj-Napoca Biodiversity Research Center



USAMV Cluj-Napoca Research Laboratory



Shaba National Park, Kenya



USAMV Cluj-Napoca Research Laboratory

The University has built its research on deep fundamental questions in each domain and interdisciplinary approaches that bring a broad and holistic perspective to complex issues. Since the University covers many research disciplines, it can promote scientific and educational developments that lead to original, universal solutions. Therefore, the University accelerates research with strategic projects that have been awarded funding mainly from regional, national, and international projects.

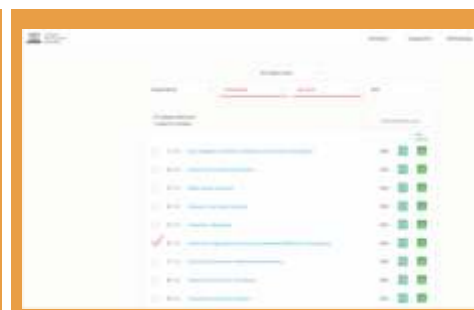
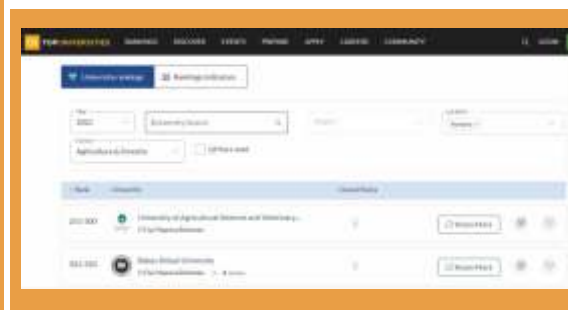
Our research infrastructure encompasses 2 Research Institutes, 11 Research Departments, 20 Research Centers, and 13 Research Laboratories and 2 Technological Transfer Centers. The University Research Infrastructures carry out application-oriented and field-based research together with government commissions, commercial businesses, and non-profit organizations.

The university research develops insights and technologies that support companies, governments, and other research institutes in creating innovative solutions for a healthier, more sustainable, and prosperous world.

Making smart connections between various disciplines, the researchers investigate and develop at all stages: upscaling from lab to pilot and from initial idea to the production processes that deliver applied solutions to the market requirements.



UT Cluj-Napoca / Pro Invent Competition



Our university takes part in a series of international university networks that share promoting cooperative activities.

The University encourages the researcher/research groups to choose the research field that best suits their interest freely. The University provides the necessary infrastructure to support research at the highest level, including libraries, laboratories, and information systems.

The impact of some research is evident immediately, whereas in other cases, it can take years or even decades before the actual value becomes palpable. However, our university has contracted over 600 research and development grants.

Our researchers have published over 4073 ISI (Wos- Clarivate Analytics) articles and over 3500 articles published in international databases (IDB). The University has also won over 1200 Academic prizes.

The Shanghai Ranking -2021 Global Ranking of Academic Subjects- ranked USAMV Cluj-Napoca in 201-300 place among its three hundred ranked universities in the field of veterinary medicine.

The Scimago institution rankings, which compares the World's best universities every year, have repeatedly included USAMV Cluj-Napoca in sixth place among Romanian universities. In contrast, QS World University Rankings placed our university as one of the 300 best universities in the World.



USAMV Cluj-Napoca Institute of Life Sciences



USAMV Cluj-Napoca Research Laboratory

24

## THE ACADEMIC PRES PUBLISHING HOUSE

The following publications are issued under the USAMV Cluj-Napoca aegis: Notulae Botanicae Horti Agrobotanici Cluj-Napoca (ISI) Bulletin of University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca (Agriculture, Horticulture, Animal Science and Biotechnologies, Veterinary Medicine), Notulae Scientia Biologicae, Agricultura – Agricultural science and practice magazine, Scientia Parasitologica Magazine, ProEnvironment/ProMediu, Clujul Medical Veterinar, Protecția plantelor, Hameiul și plantele medicinale and, Hortus Agrobotanicus Napocensis - Index Seminarum.



USAMV Cluj-Napoca Research Laboratory



Kruger National Park, South Africa

## CONTACT

Vice-rector for Research, Development and Innovation  
Prof. Vlad MUREȘAN, PhD  
E-mail: [cercetare@usamvcluj.ro](mailto:cercetare@usamvcluj.ro)



# INTERNATIONAL RELATIONS



The International Relations Unit includes three offices: The International Relations Office, the Erasmus+ Office and the Francophone Office (which includes CRU - Centre de Réussite Universitaire, financed by AUF BECO). The unit is coordinated by the Vice-rector for International Relations.

## INTERNATIONAL RELATIONS OFFICE

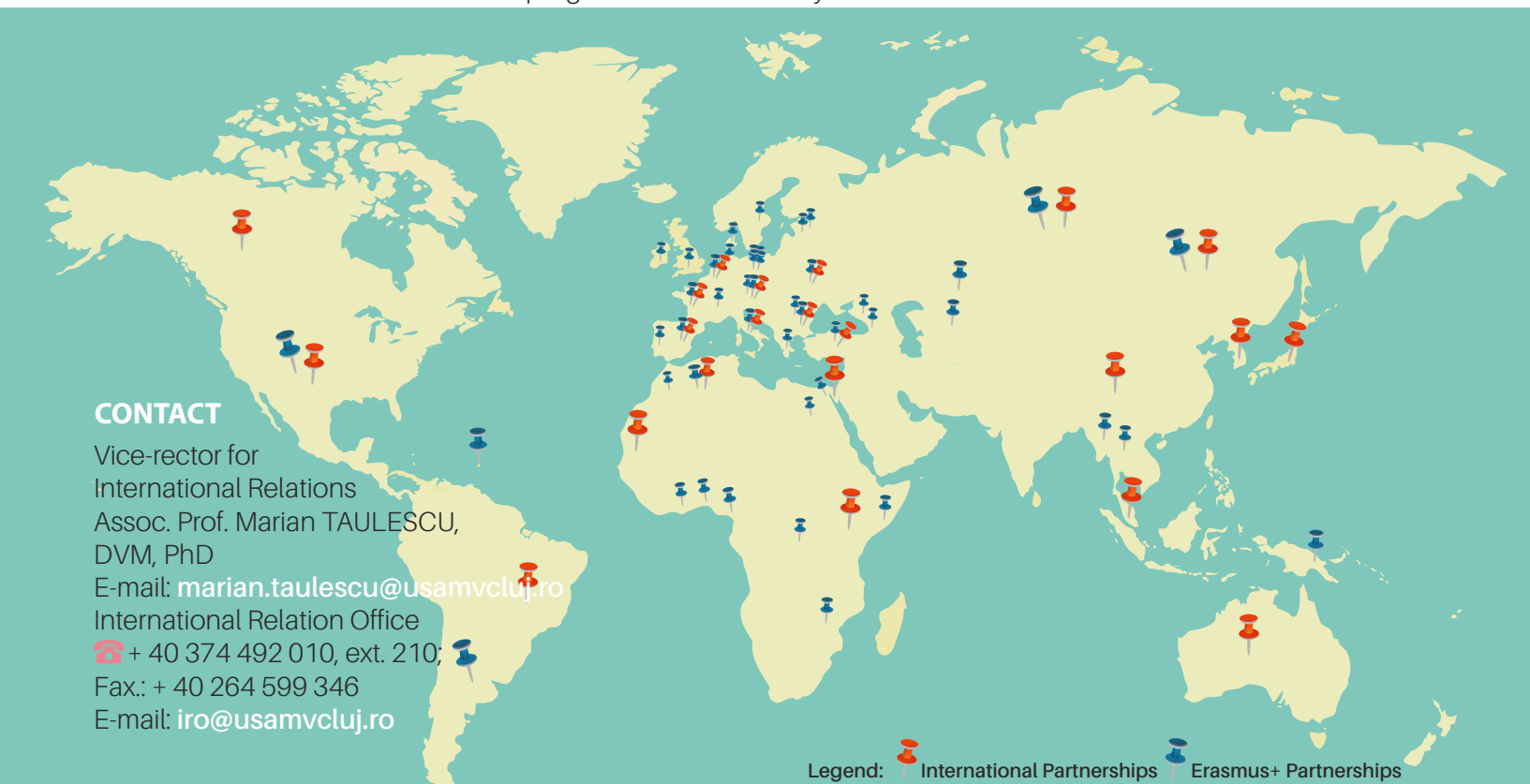
The International Relations Office is in charge of the management and development of new partnerships with institutions from abroad, administration of the memberships of the University in international consortia (e.g. European University Association, Association for European Life Science Universities, Black Sea Universities Network, European Association of Research Managers and Administrators etc.). The office handles all the admission-related issues by foreign applicants and manages immigration and visa related issues for more than 350 students from over 30 countries, enrolled in the foreign language programs of the University.

25

IRO is responsible of organizing international scientific meetings.

## CONTACT

Vice-rector for International Relations  
Assoc. Prof. Marian TAULESCU, DVM, PhD  
E-mail: [marian.taulescu@usamvcluj.ro](mailto:marian.taulescu@usamvcluj.ro)  
International Relation Office  
☎ + 40 374 492 010, ext. 210;  
Fax: + 40 264 599 346  
E-mail: [iro@usamvcluj.ro](mailto:iro@usamvcluj.ro)



Legend: International Partnerships Erasmus+ Partnerships

The office is in charge of managing the francophone activities and relations of USAMV Cluj-Napoca, having the mission of creating within the university a francophone scientific and educational atmosphere, through the interaction between students, teaching staff and researchers, all animated and sharing the francophone spirit.

The office maintains a constant connection with the Francophone University Agency – The Office for Central and Eastern Europe (AUF BECO), our university being an active member of this prestigious international association. In 2012, AUF BECO has created, within USAMV Cluj-Napoca, the Centre for Academic Achievement (CRU). CRU's specific goals are to increase interest in the academic programs in French, increase the number of francophone students, improve the French communication skills of students and teaching staff and also to promote new teaching methods. The achievement of the CRU mission involves the use of educational resources (books, databases, gadgets), but also high tech equipment, in order to create a modern space, facilitating learning and research processes

The Francophone Office of USAMV Cluj-Napoca provides high quality consultancy in the development of didactic and research project proposals. This is how the university has won two AUF funded projects, supporting academic programs in French: one supporting the Master's Degree program of the Faculty of Agriculture - "Agriculture, climate changes and food safety"- and another supporting the Bachelor's Degree program of the Faculty of Veterinary Medicine.

Furthermore, the Francophone Office supports and encourages students and teaching staff to obtain grants, participate to cultural events and undertake new teaching and research missions. The "Eugen Ionescu" Scholarships, granted by the Romanian Government since 2008, provide courses for students and researchers interested in a specialization within our institution.

Another development direction of the Francophone Office is represented by the partnerships entered with the French Institute and French Embassy in Romania. In this context, our university is an essential partner in organizing the event, "European Meetings in Transylvania", aiming to harmonize European and territorial relations.

The Francophone Office of USAMV Cluj-Napoca is also an important partner of the Francophone Business Club in Cluj (CFAC). The goal of this partnership is the improvement of the cooperation and communication between our university and the business environment.



**BOURSES DOCTORALES ET POST-DOCTORALES EN ROUMANIE**  
Programme « Eugen Ionescu »

**Vous êtes doctorant ou enseignant-chercheur francophone ?**  
Quelle que soit votre discipline, profitez des stages de recherche en Roumanie !

**Appel annuel ouvert d'octobre à décembre**  
Durée du stage : de 3 à 6 mois  
26 universités d'accueil en Roumanie

**Prise en charge :**  
✓ doctorat : 800 € / mois  
✓ post-doctorat : 1000 € / mois  
✓ transport aller-retour, assurance

**AGENCE UNIVERSITAIRE DE LA FRANCOPHONIE**  
Contact : [francophonie@auf.bece](mailto:francophonie@auf.bece)  
[www.auf.bece](http://www.auf.bece)

\* Appel annuel des doctorants et enseignants-chercheurs des établissements membres de l'AUF dans les pays de l'UEP ou en Afrique

26



## CONTACT

Prof. Cristina Bianca POCOL, PhD  
E-mail: [cristina.pocol@usamvcluj.ro](mailto:cristina.pocol@usamvcluj.ro)  
[auf@usamvcluj.ro](mailto:auf@usamvcluj.ro)





## ERASMUS+ OFFICE

The office's responsibilities include the management of various types of Erasmus+ actions: KA1 Erasmus+ Learning Mobility of individuals, ICM (International Credit Mobility), Projects KA2 - Erasmus+ Mundus Program, Erasmus+ Cooperation among Organizations and Institutions (Capacity Building Projects).

Erasmus + Learning Mobility of individuals for the period 2021-2027 aim to encourage the academic exchange through mobility for students (studies, traineeship) and mobility for staff (teaching and training, for non-teaching staff) and also brings a lot of new opportunities for the students.

USAMV Cluj-Napoca welcomes many Erasmus+ students every year from diverse backgrounds and nationalities and thus they have become an important part of our university's culture and educational achievement.

At the same time, a large number of students of our university choose to study or complete a traineeship at universities or organizations in the European and non-European space.

Not at last the opportunities for the outgoing and incoming academic staff are an important part of the projects under Erasmus+ Program.

The benefits of participation in Erasmus+ Program are various:

- The chance to explore other education systems !
- Adaptation abilities and communication skills can be improved and the knowledge can be extended!
- The advantage of enjoying the facilities of a different university!
- The possibility to meet new and exciting friends from all over the world!
- The discovery of different ways of thinking and cultures that can change your life and open your mind!

For the students, the international experience can boost a graduate's employability and transversal skills. Staff can acquire new competences for their professional development, improve their language skills and learn about new working methods.

27

## OUTGOING STUDENTS

USAMV Cluj-Napoca's students can apply for an Erasmus+ mobility if they are enrolled in one of the following full-time courses: Undergraduate, Master or PhD. Linguistic knowledge is also a condition to apply. Erasmus+ Office organizes two application sessions during an academic year, one in autumn and another one in spring.

## CONTACT

Responsible for Erasmus+ in our university:

Prof. Ramona SUHAROSCHI, PhD  
[ramona.suharoschi@usamvcluj.ro](mailto:ramona.suharoschi@usamvcluj.ro)

Responsible for exchange mobilities:

Simona OROS, PhD

Email: [erasmus@usamvcluj.ro](mailto:erasmus@usamvcluj.ro)  
[incoming@usamvcluj.ro](mailto:incoming@usamvcluj.ro)

☎ +40 374 492 010, ext.189;

Facebook link: <http://ro-ro.facebook.com/erasmus.usamv>

[erasmus.usamvcluj.ro](http://erasmus.usamvcluj.ro)

## INCOMING STUDENTS

In order to study one semester or for a full academic year at USAMV Cluj-Napoca, Erasmus+ students must apply online and follow our office's deadlines: May 31 for the application for the 1st semester and/or the entire academic year and November 21 for the application for the 2nd semester of the academic year.

## THE LIBRARY



The history of our Library is strongly connected to that of the University of Agricultural Sciences and Veterinary Medicine in Cluj-Napoca. The first reference to the library's funds is in 1872, when the Institute's Yearbook records the existence of 881 volumes. In those times, the first ones to bring books into this settlement were the professors and students, through their own efforts.

Currently, the Library of USAMV Cluj-Napoca have a documentary fund consisting of over 180000 volumes used by 6000 readers managed through the integrated library automation system "Liberty5".

The first floor accommodates the info desk and loan office. Here there are also blended learning spaces with computers for group study.

At the second floor, users have access to a reading room with a capacity of 140 seats.

On the third floor there is a reading room with open access to books.

28



**The Museum of the University of Agriculture Science and Veterinary Medicine Cluj-Napoca** was established in 2019 as an entity within the Main Library, based on a donation of documents and personal objects from the professor's Mihai Serban family.

The inventory of items includes manuscripts, photographs, portraits, albums, tableaux, commemorative medals, honorary diplomas, decorations. The technical section includes: scales, optical, geodetic, measuring, meteorological, photographic, and cinematographic devices.

The museum has a collection of books dating from the years 1664-1949. The most important book is New vollkommen Krauter-Buch (1664) the great achievement of Jacobus Theodorus Tabernaemontanus.

### CONTACT

Head of Department  
Tatiana PETRAR

Email: [biblioteca@usamvcluj.ro](mailto:biblioteca@usamvcluj.ro)

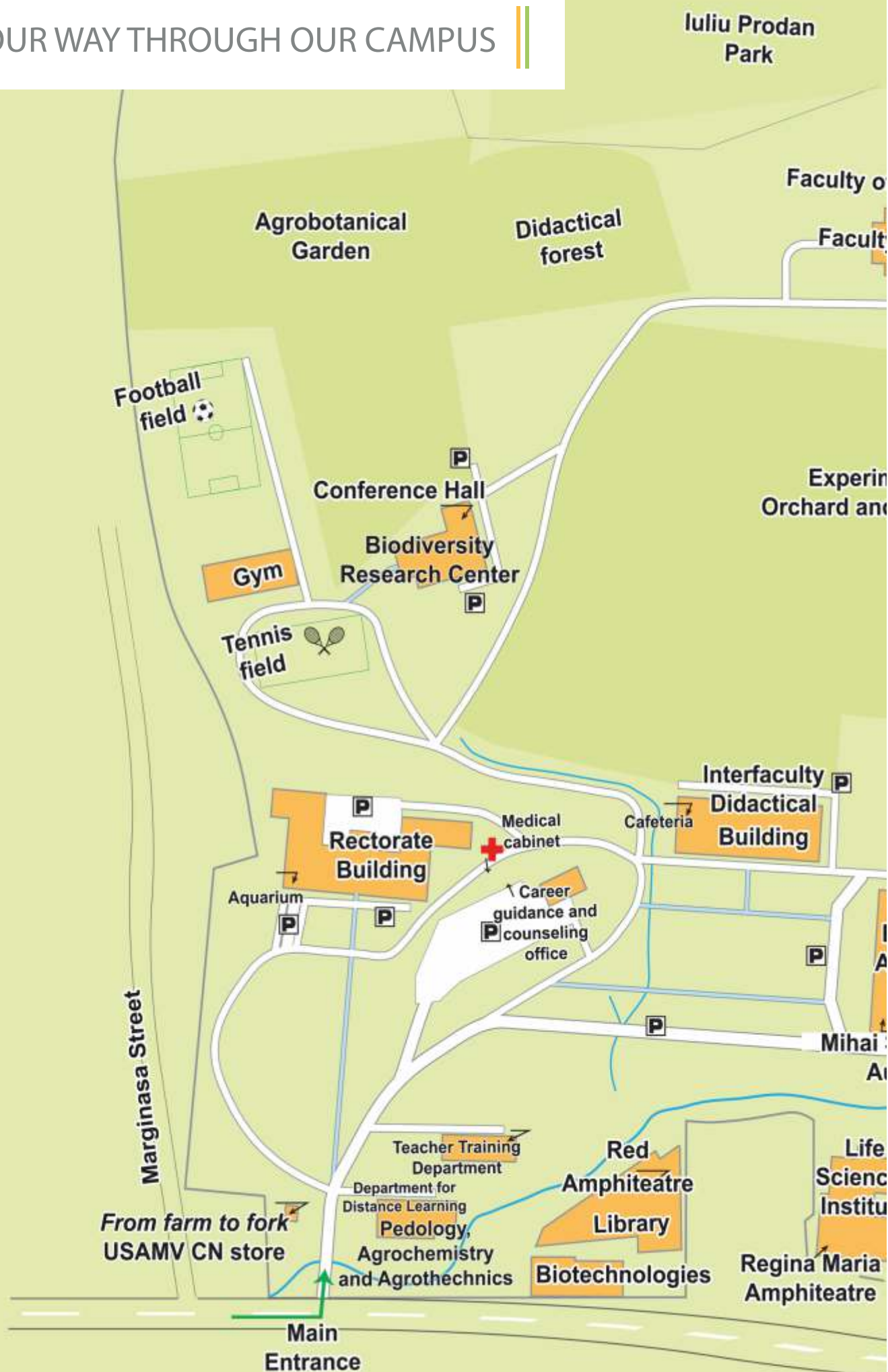
+40 374 492 010, ext. 241;

Fax: +40 364 816 793



# MAKE YOUR WAY THROUGH OUR CAMPUS

29



Annually, the campus is home for more than 5500 students.

It covers an area of more than 20 hectares, with a quite complex micro-relief.

For more than 150 years, it has developed a specific flora and fauna, which can be seen today as a true arboretum, designed and cared for by skilled horticulturists.

of Horticulture and Business in  
Rural Development  
y of Forestry and Cadastre  
I.C.H.A.T.

mental  
d Vineyard

Govora Street

Exit

Faculty of  
Food Science and  
Technology

Calea Florești No. 64

Vet  
Emergency

Veterinary  
Medicine  
Clinics

Faculty of  
Veterinary  
Medicine

Faculty of  
Animal  
Science

Faculty of Veterinary Medicine  
Faculty of Animal Science

Exit

Faculty of  
Agriculture

Șerban  
ula

es  
te

Regele Ferdinand  
Amphitheatre

Priest's creek

Greenhouse

Auto  
base

Agricultural  
Equipment  
Park

Department of  
Agricultural  
Engineering  
-Workshops-

Department of  
Agricultural  
Engineering

Greenhouse

Greenhouse

Greenhouse

North

50m

100m

150m

Calea Manastur Street

Govora Street



## OTHER FACILITIES



The Institute of Advanced Horticultural Research of Transylvania (ICHAT)



The Institute of Life Sciences



The Biodiversity Research Center

### The Institute of Life Sciences

The institute has four levels spanning an area of over 7,500 square meters and represents the only platform of knowledge-based biotechnologies in Romania as well as environmental sciences laboratories. The 45 laboratories are equipped for the latest European standards, tailored and organized for the needs and requirements of every laboratory coordinator, where researchers study human, animal and food health.

### The Biodiversity Research Center

It is the first high level research unit built for conservation, sustainable use and capacity development on the premises established in the Second Global Plan of Action for Plant Genetic Resources for Food and Agriculture, as well as the Targets of the Global Strategy for Plant Conservation 2011-2020. It is state-of-the-art equipped to cover all types of identification, characterization, description and plant conservation seed and vegetative accessions stored under long-term conditions, safety duplicated collection and active progress towards implementing a QMS.

31

### The Institute of Advanced Horticultural Research of Transylvania (ICHAT)

This is the first Romanian institute of advanced horticultural research, as it incorporates all areas of modern horticulture and farming, that are being studied and researched in the field, in accordance with the latest standards imposed by the European Policies: genetics and plant breeding, horticulture biotechnology, microbiology, floriculture and landscaping, ornamental arboriculture, vegetable, fruit pomology and viticulture and the technology of horticultural products. The institute also incorporates most of the Faculty of Horticulture, laboratories of spectrometry, chromatography, electron microscopy, and also a bank of genes and seeds, which will cater to the students to study the several horticultural disciplines, aiming to be a center of excellence in horticultural research, located in the middle of Transylvania, which can coagulate around it all other research institutes in the region.



Agrobotanical Garden



The Aquarium



Agrobotanical Garden

### The Aquarium

USAMV Aquarium is both a tourist attraction and a research area of native and exotic species of fish. It belongs to the University of Animal Science and Biotechnologies and incorporates a basin with a capacity of 20 m (one of the largest aquariums in our country found in endowment of a profile university) and 14 basins with capacity of 300 liters. The basins are equipped with automatic water recirculation and oxygenation. Here, around 30 species of fish and turtles, are hosted, both from the Romanian waters (carp, waller, zander, river pirate, perch, crucian) and also from other meridians (Piranha, Biocel, Scalar, Paradise fish , Moli, Xifo, Platy, Guppy ,Gold Crucian and Indian waller).

### The Botanical Museum

The museum dates from 2002, which houses the scientific herbarium - containing 40,000 sheets, a rich collection of medicine obtained from different herbs, a collection of seeds from plant species cultivated and from spontaneous flora, casts, books and old manuscripts of former teachers who taught Botanical disciplines. Also, the museum exhibits images, dendrologic displays, frames and plants from different vegetation zones and also an extensive bibliographic material.

### Agrobotanical Garden

It spans 3 hectares and gathers over 1800 vegetal species. The Agrobotanical garden is a truly living museum offering shelter throughout its sectors: the colorful decorative sector, the mosaic-like ecological sector, the modern phylogenetical sector and the new biodiversity sector - to a great number of plants and other living creatures meant to illustrate the huge biological diversity of our planet.

### The Orchard

Specially designed for students's practical training and study. Great variety of apple, pear, cherry trees and grape vine are grown here.

### Museum of Comparative Parasitology

It includes exhibits displayed in cabinet showcases, grouped by 3 criteria: Systematic Host species and Ecological system, with suitable biotypes.

### Museum of Anatomy

Since 1968, the Museum of Anatomy has been equipped with numerous exhibits, some of which being mummified bodies. The museum caters for both the student documentation process and the scientific documentation process, at the same time being appraised, both nationally and internationally.

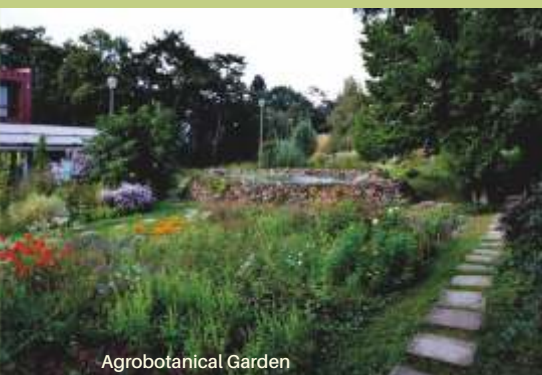


Museum of Anatomy

32



Museum of Comparative Parasitology



Agrobotanical Garden



The Campus



The Orchard



# THE DIDACTIC AND EXPERIMENTAL STATION - COJOCNA FARM



The Didactic and Experimental Station - Cojocna Farm within USAMV Cluj-Napoca is located in Cojocna village, about 25 kilometers away from Cluj-Napoca. It covers an area of 667 hectares, where, in addition to its production of plant material (silage maize, grain maize, triticale, sunflower, alfalfa, experimental batch of bio soybeans, and cultured grass), its patrimony also includes thousands of livestock: cattle, swine, sheep and laying hens. Animals are fed on the plant production of the station, especially during the summer, when the dairy cattle are foddered with "green fodder" – alfalfa and grass.

Cojocna farm benefits from modern facilities adapted to production requirements and animal welfare.

33

An extremely important component of the activities of the Didactic and Experimental Station - Cojocna Farm is the teaching activity. Hundreds of students carry out their specialized practice on the farm, especially students from the Faculties of Agriculture, Veterinary Medicine, and Animal Sciences and Biotechnologies. The farm benefits from all the necessary facilities for accommodation and meals for these students. The practical works of the students at the Cojocna Farm include numerous activities aiming at animal husbandry technologies, as well as participation in sowing, calving of calves and piglets, dehorning (cutting/removing horns), animal treatments and diagnosis, cleaning the animal shelters, castration of piglets, sorting of eggs.

Land conversion for bio-ecological cultivation has been made since 2018. Currently, BIO accreditation has been obtained for dairy products obtained in the milk processing unit, raw milk production, wheat and maize production, and the sunflower crop undergoes conversion for the production of cold-pressed oil.

Milk from the bovine and sheep herds is processed on the farm under the typology of a processing plant, but on a smaller parameter scale, with an Independent Milk Processing Centre type approval. The production capacity is 1,000 liters/hour. On average, one day of production involves the processing of 1,300-1,500 liters of milk, which are distributed as follows: 300 l of milk consumption, 100 l of Sana (cultured milk), 500 l for telemea – traditional Romanian cheese (resulting in about 60 kg of cheese) and 500 l for curd cheese (resulting in about 50 kg). The resulting products have a relatively short shelf life, due to additive-free and preservative-free recipes. Subsequently, these products are sold in the stores of USAMV Cluj-Napoca or its partners.



# THE HORTICULTURAL RESEARCH STATION

The Horticultural Research Station (SCH) of the University of Agricultural Sciences and Veterinary Medicine (USAMV) Cluj-Napoca was established in June 1953 and entered the university's patrimony in 2015. It was from that moment on that its research activity has undergone constant development, alongside student teaching and practical activity and towards enhancing SCH main objectives. The research station currently manages an area of 164 hectares and other 191 hectares in use, as its complex scientific research activity covers all areas of horticulture: fruit growing, floriculture, dendrology, and landscape architecture, vegetable growing, viticulture, in vitro tissue cultures, plant protection, biochemistry, agrochemistry, physiology, and agrometeorology.

The research station harbours collections of varieties created by its specialists, but also collections of foreign varieties, including fields with hybrids, elites, and comparative crops, where permanent studies are carried out (collecting phenological data, biometric measurements, tracking the behavior of varieties, the diseases and pests attacks). The pest and disease resistance of these varieties has made it possible for them to be grown in a certified organic system.

## **Almost 200 certified varieties**

Numerous experimental fields of different varieties are located on the existing surface of the research station, such as apple, pear, plum, cherry and cherry, white, red and black currant, blackberry or gooseberry, strawberries, but also for ornamental dendrological species, both coniferous and deciduous, rose, vegetable, and floricultural species. The important results of the Horticultural Research Station are highlighted by a large number of certified varieties, totaling 183 fruit and floral species. Over time, many certified varieties have received awards at International Salons of Inventions.

## **Crops are valued in our shops**

The resulting products of the research projects are sold at the SCH store and also at the second store of the university, located on the campus. Therefore, fruits, vegetables, fruit trees and shrubs, flowers, and rose cuttings are marketed according to the season.

## **Alignment with the EU concept "From farm to fork"**

The development strategy of the Horticultural Research Station is also aligned with the increasingly popular European Union concept, entitled "From farm to fork". The objectives pursued are: promoting healthy food consumption; healthy and local products; development of crop technologies that reduce the number of pesticides and synthetic fertilizers; developing organic agriculture and supporting it with "know-how".



34





# THE WINE STATION - VINEA APOLDIA MAIOR



The University of Agricultural Sciences and Veterinary Medicine (USAMV) Cluj-Napoca acquired the Vineyard from Apoldu de Sus (Sibiu County) in 2020, which was renamed the *Apoldia Maior Wine Station*.

The vineyard covers an area of 65 hectares, and the annual production is 500 tons of grapes. The noble white grape varieties cultivated are Sauvignon Blanc, Traminer Roz, Italian Riesling, Pinot Gris, and Muscat Ottonel.

35

The Apoldia Maior Wine Station is also an important base of research and teaching activities for USAMV Cluj-Napoca. The practical works are held in the vineyard, where students learn about carrying out technological operations of primary winemaking, identifying rapid technological solutions, performing physico-chemical determinations to evaluate the quality parameters of grapes.

## Vinea Apoldia Maior wines

In 2020, from the noble wine grapes of the station, university specialists created new wines with strong and complex aromatic notes, specific to the county (Sebeş-Apold DOC). Therefore, 10 Vinea Apoldia Maior wines were born: four white wines / monovarietal wines (made of 100% of the same grape): Sauvignon Blanc, Traminer Roz, Italian Riesling and Pinot Gris, and six coupages / mixture of grapes, divided into two collections: Academicum and Aurum Terras. The Academicum collection includes Laureatus, Eruditus, Docentus, and the Aurum Terras collection includes Catanas, Amlas, Secas. Their symbolic names, either originate from the academic sphere (Academicum) or relate to the specificity of the land (Aurum Terras).

In the future, the university plans to engage in several projects in terms of vineyard development, including the opening of a winery at Vinea Apoldia Maior. Moreover, the profit from wine selling be reinvested to finance the research or educational projects of the university.



## STUDENTS' ORGANIZATIONS



"Through IVSA I had the opportunity to discover that together, as a team, we can have a real impact on student life..."

Andra-Diana Voica, president of IVSA



### The International Veterinary Students Association (IVSA)

IVSA (International Veterinary Students Association) is an international student association, nonprofit and non-governmental, present in many countries around the world, composed exclusively of veterinary medicine students, founded in 1953.

The purpose of IVSA is to improve the standards of veterinary studies through new ideas, knowledge and exchanges of experience that are organized in official frameworks, through collaboration and global recognition.

All of the successful activities this year that helped us bond as a team and develop new skills, all of them being veterinary themed, targeted the improvement of communication between the lead and students and also the intercollegial relationships, especially in these challenging times.

"Through IVSA I had the opportunity to discover that together, as a team, we can have a real impact on student life and the development of future veterinarians." Andra-Diana Voica, president of IVSA Romania

More information on our FB page: @ivsaclužnapoca

36

### Life Sciences Students League (LSSV)

The LSSV was registered on December 4th, 2012 as an association operating for the rights of students of the USAMV Cluj-Napoca. Being the representative structure of students of the Faculty of Horticulture, LSSV is present in the structure of the Faculty Council.

Furthermore, we are members of the Student Union of Romania (USR). We are divided into 5 departments, aimed at organizing organizational events.

Some of our most important projects: the charity concert of Christmas carols "Warm hearts, cool outside" which enjoys an enormous success; "Mărțișor", an event held every year on March 1<sup>st</sup> where we make traditional trinkets (mărțișoare) and offer them to the university students; "Earth hour by LSSV", where for an hour we focus on social activities and reduce our carbon footprint; USAMV Associations Cup - a sporting event involving all student associations.



Our aim is to organize events to encourage scientific research and social and cultural training of the students of the Faculty of Horticulture.



More information on our FB page: @LigaStudentilorStiintelorVietii





Our members are pleased to participate every year at the Agraria Fair, where they are divided in different departments and for four days, organize the event as seamless as possible.



### The Student Association of the Faculty of Agriculture (A.S.F.A.)

The Student Association of the Faculty of Agriculture (A.S.F.A.) is a non-governmental organization that aims to promote student activities, student representation and support of the Faculty of Agriculture.

ASFA was founded in 2015 at the initiative of a group of students, for the desire to have an association that defends the interests of students, facilitates participation in projects and educational, cultural, social and entertainment events, specific to our activity and more: trainings, scientific communication sessions, sports competitions, workshops, charity fairs, apprenticeship and volunteering.

The association consists of four departments: Academic Department, Media Department, Department of Human Resources and the Department of Entertainment, Events and Sports.

ASFA consistently collaborates with the other USAMV CN student organizations, as well as other youth organizations in Cluj-Napoca.

More information on our FB page: @agristud

For different kinds of events, the USAMV CN students benefit from the generous space of the "Agronomia Club" – here, the students' organizations, but not only them, organize cultural and festive meetings/gatherings. The club also hosts the rehearsals of the Romanian folk ensemble "Tradiții (Traditions)" and their preparations for performances. This Romanian folk ensemble was founded by the university 15 years ago and it is a successful one, even among foreign students passionate about Transylvanian traditions.





The "Agronomiada" Student National Competition is another major event for student life and our students prepare all year for this competition, which is organized successively by the four universities with a life sciences profile in the country. Every year, the large delegation of USAMV CN returns from this competition with a lot of prizes and medals for academic achievements and sports performances (football, volleyball, basketball, athletics, skiing, table tennis, and even cheerleading contests).

38

### Sport

A newly renovated sports complex, encompassing a football field with artificial turf, a tennis field and a gym, is open both for the students, as well as for the public at large on an hourly rent basis. The gym is multifunctional and equipped accordingly, as it includes the sport hall with a basketball field and a volleyball field, as well as a fitness center.

### Cafeteria - Gourmeticus Cafe

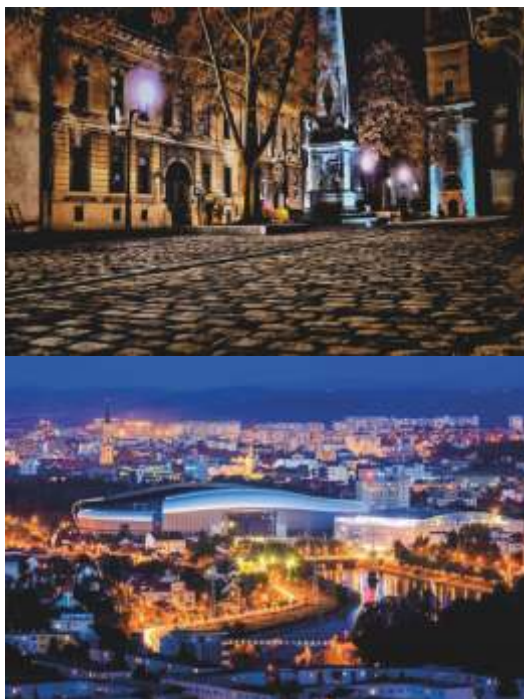
Situated in our campus, it is dedicated exclusively to student activities. Here you can enjoy a good coffee, tea or cold beverages, sandwiches and good pastry products.

**Student's Restaurant** (Restaurant "Agronomia"), located on 74-76 Motilor Street, is a place specially designed for students. You can enjoy delicious food at budget prices in a pleasant ambiance.





## ABOUT CLUJ-NAPOCA



Capital city of Cluj-Napoca County

Population: 324.576

Cluj-Napoca is the second major city in Romania, an important academic center, a city which has as the most important coordinates the multiculturalism and diversity. With its ancient and modern beauties and opportunities, Cluj-Napoca has become one of the most visited city in Europe.

Find more about Cluj:

[visitcluj.ro](http://visitcluj.ro)

[romaniatourism.com/cluj-napoca.html](http://romaniatourism.com/cluj-napoca.html)

[clujonline.com](http://clujonline.com)

[wikitravel.org/en/Cluj-Napoca](http://wikitravel.org/en/Cluj-Napoca)

# 39

### MUST SEE PLACES IN CLUJ-NAPOCA

The Botanical Garden: [clujonline.com/places\\_of\\_interest/botanical\\_garden.htm](http://clujonline.com/places_of_interest/botanical_garden.htm)

The Central Park: [clujtravel.com/en/parcul-centra-simion-barnutiu-cluj-napoca/](http://clujtravel.com/en/parcul-centra-simion-barnutiu-cluj-napoca/)

The Citadel Cluj: [welcometoromania.ro/Cluj/Cluj\\_Cetatuia\\_e.htm](http://welcometoromania.ro/Cluj/Cluj_Cetatuia_e.htm)

The History Museum: [welcometoromania.ro/Cluj/Cluj\\_Muzeul\\_de\\_istorie\\_e.htm](http://welcometoromania.ro/Cluj/Cluj_Muzeul_de_istorie_e.htm)

The Art Museum: [macluj.ro/](http://macluj.ro/)

The Ethnographical Museum of Transylvania: [muzeul-etnografic.ro/en](http://muzeul-etnografic.ro/en)

Tailor's Bastion: [welcometoromania.ro/Cluj/Cluj\\_Bastionul\\_Croitorilor\\_e.htm](http://welcometoromania.ro/Cluj/Cluj_Bastionul_Croitorilor_e.htm)

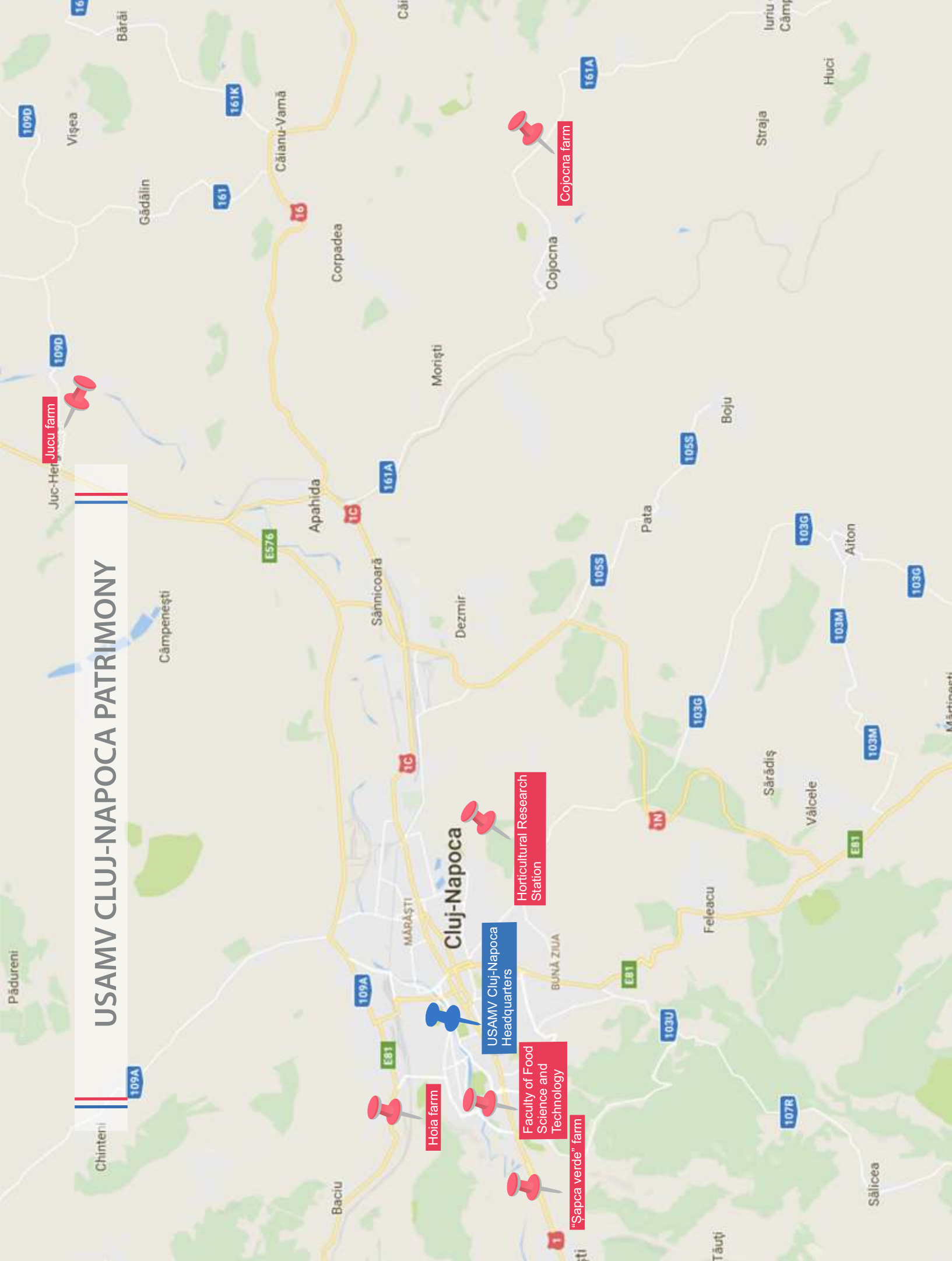
Cluj Arena Stadium: [clujarena.ro](http://clujarena.ro)

St. Michael's Church: [roamingromania.com/st-michaels-church-cluj-napoca/](http://roamingromania.com/st-michaels-church-cluj-napoca/)

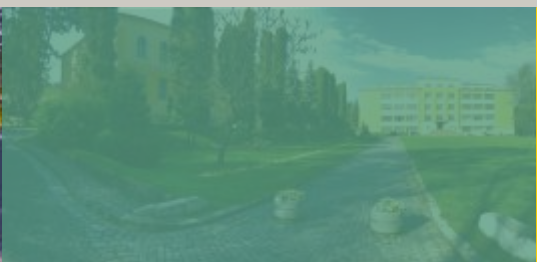
Ethnographic Park "Romulus Vuia": [muzeul-etnografic.ro/en/parcul-etnografic-romulus-vuia](http://muzeul-etnografic.ro/en/parcul-etnografic-romulus-vuia)



# USAMV CLUJ-NAPOCA PATRIMONY







USAMV CN campus - view from the main entrance



Rectorate building - 1930



## CONTACT US

Calea Manastur 3-5,  
Cluj-Napoca, 400372  
Romania

[contact@usamvcluj.ro](mailto:contact@usamvcluj.ro)  
[pr@usamvcluj.ro](mailto:pr@usamvcluj.ro)

Tradition  
&  
Modernity



First veterinary clinic -1870



Rectorate building - upper view



USAMV CN Campus



Oltrut, Bako National Park, Kenya