



# **“Ion Ionescu de la Brad” Iași** University of Life Sciences

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**România**









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## Message of the Rector

2012 was a momentous year for “Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine. The celebration of our Centenary year provides us all with the opportunity to honour our heritage and pay tribute to our 100 years of living science and education. With this Centenary year now behind us, we move into our second century with a sense of optimism, since modern university has to remain committed to its core mission, that of training, debating and promoting innovative ideas, research and innovation, thus continuing to polarize creative intelligence and orient its goals according to the needs and interests of society. The trinomial of teaching, scientific and practical training activities, permanently connected to national and inter-national framework of best practices, has been the successful formula that has ensured the continuity and progress of the university. Currently, our university has a far-reaching cooperation network, having established relationships with over 50 universities and research institutes from Europe, Asia, the United States of America, being true to its policy of total openness towards international cooperation.

Over the years, the University of Agricultural Sciences and Veterinary Medicine of Iași has become a leading

institution of the Romanian agricultural education, due to the activity of academic leading figures that have taken major responsibilities, always considering the agricultural science a key factor for the development of modern society and provision of general welfare. A century after its foundation, the university benefits from having a modern campus, located in the most scenic borough of the town, the Copou Hill, a campus that provides students with the best facilities for individual study, research, practical training and recreation.

Aware of the quality of the training environment, reflected by the climate, atmosphere, institutional culture, our university has paid much attention to this particular aspect, making it one of its paramount priorities. Combining tradition and experience with a most dynamic and modern approach of the teaching-learning and research processes, all 200 members of the academic staff offer innovative strategies and ways of learning that respond to the standards of shaping the necessary skills that would provide students with the best possible employment opportunities. From this perspective, the faculties and departments of the university constitute fundamental elements of the educational structure chain, responsible for providing the quality parameters of education and research.





The University of Agricultural Sciences and Veterinary Medicine of Iași, awarded a “high level of trust” qualification after the Romanian Agency for Quality Assurance in Higher Education assessment, is open to all gifted and talented students from every corner of the globe willing to build solid careers, and for that we remain committed to educating them, to offering them a bustling university environment to match their talent and a learning environment fit for future innovators. Whatever they may choose to study, be it Agriculture, Horticulture, Animal Science or Veterinary Medicine, our university is a choice to consider.

2018 represents for us a jubilee year, since we are celebrating 200 years from the birth of Ion Ionescu de la Brad, renowned Romanian agronomist, born in 1818, whose name we bear with pride and joy to continue the great tradition of agronomic and animal sciences. This jubilee encourages our academic community to acknowledge and celebrate its origins and to find the necessary resources and wisdom to face the ever-present challenges we meet, thus finding new ways in which to act towards a better future. We are proud of our legacy and delighted to honour the forefathers who laid the foundation upon which we stand.

In the years to come, I am most confident that the University of Agricultural Sciences and Veterinary Medicine of Iași will continue to be a leading presence within the academic community, will continue to work on some of the most important problems the Romanian agriculture and rural areas face, never ceasing to be concerned with modernizing the educational act, never forgetting to create opportunities for the intellectual and professional development of its students.

Our centenary mission is to inspire the next generation of great minds.

Rector,  
PhD, Prof. Vasile VÎNTU



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The beginnings of the Moldavian agricultural education go back in time to the first half of the 19th century, namely between 1842 – 1848, when the first great Romanian agronomist, Ion Ionescu de la Brad, delivered the first lectures on agriculture at “Academia Mihăileană” – Iași.

Following the insistent demands of a group of enthusiastic professors, the academic board of “Alexandru Ioan Cuza” University of Iași, voted unanimously, on May 2nd 1905, what, later on, the Ministry of Culture and Public Instruction would approve, i.e. the setting up, within the Faculty of Science, of the Departments of Agricultural Chemistry and Technological Chemistry.

1912 is considered to be the birth year of tertiary agricultural education in Iași. The Law of Tertiary Education, published in the Official Monitor on March 27th, stipulated the establishment of the Agricultural Sciences Department in the Faculty of Sciences of the University of Iași. Thus, an agricultural school made its debut in Iași, with modern lectures, grouped in two categories – preparatory and agricultural, supported by an experienced academic staff: Ioan Borcea, Haralamb Vasiliu, Alexandru Obregia, Agricola Cardas, Autonom Georgescu, Ion Constantineanu.

The Official Monitor no. 82/April 9th 1933 contained the Law for turning the Section of Agricultural Sciences of the University of Iași into the Faculty of Agricultural Sciences of “Alexandru Ioan Cuza” University of Iași, with its headquarters in Chișinău. In 1940 Romania suffered one of its greatest national tragedies, the loss of Basarabia,



## HISTORY – A JOURNEY IN TIME (1842 up to the present)



North Bucovina and Herța, North Transylvania and South Dobrogea, equivalent to more than a third of the national territory. In this totally new political climate, originating in the abusive annexation of Basarabia by the former Soviet Union, the Faculty of Agricultural Sciences of Chișinău was dissolved in October 1940 through the Decree-law 3463/15. The academic staff and part of the assets were transferred to Iași, where, after twelve months of debates and special administrative efforts, the Faculty of Agriculture was once again established in accordance with the Law 922/ October, 17th 1941.

In 1948, the Decree of August 3rd and the decision of the Ministry of Education 26237/ October 24th, initiated the reorganization of the Romanian tertiary education system, including agricultural education in the capital and other major cities. The Agronomic Institute was established in Iași, comprising the Faculty of Agrotechnics (later Agriculture), the Faculty of Horticulture and Animal Sciences (1951) and Veterinary Medicine (1961).

After numerous and brief changes of name and academic organization, the most important occurring in 1990, the former Agronomic Institute became the current “Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine (USAMV) and now comprises the Faculties of Agriculture,

Horticulture, Animal Sciences and Veterinary Medicine of Iași, starting with 2001.

Over the past ten years, USAMV Iași has experienced a progressive dynamics by means of a development scheme comprising new specializations within the existing faculties, up to the point that it currently displays an academic offer that comprises four faculties with a wide range of specializations.

### NATIONAL AND INTERNATIONAL NETWORKS

USAMV Iași is member of the Consortium of Romanian Agricultural and Veterinary Medicine Universities, associate member of AUF (Agence Universitaire de la Francophonie), EUA (European University Association), ICA (Association for European Life Science Universities), CASEE (The ICA Regional Network for Central and South Eastern Europe), EAEVE (The European Association of Establishments for Veterinary Education), RIFEFF (Réseau International Francophone des Établissements de Formation de Formateurs). USAMV is the founder of the IASTE Romania (The International Association for the Exchange of Students for Technical Experience).



# Faculty of Agriculture

Founded in 1912, the Faculty of Agriculture is the oldest and most prestigious Romanian tertiary agricultural institution that conferred the first Diploma of Agricultural Engineering in our country.

The Faculty of Agriculture occupies a well-defined position within the higher agronomic education environment in Romania and at the European level. This position has been forged over the course of 100 years of

existence, now recommending a powerful scientific, educational and cultural centre.

The Faculty of Agriculture aims to generate knowledge through research, development, innovation and technology transfer, high standard academic training, thus attracting the best professionals and young researchers who have high potential and scientific training.



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## WHY STUDY AGRICULTURE?

The main mission of the Faculty of Agriculture is to train specialists for one of the most complex domains of the national economy. They will gain a rich theoretical and practical training, being capable to manage the current complex issues in the Romanian agriculture. Also, their acquired knowledge will allow them to take on positions in the domains of management, marketing, exploitation of machines, plant protection, etc. Both the training and the practical work are anchored in the current legislation in the field of agriculture, as well as in the European requirements and standards.

The students are also trained for the research activity, as well as for pedagogy and teacher training, in order to prepare them for the pre-higher education and the higher education system.

The Faculty's mission is attained through continuous training programs of Master and PhD studies, other postgraduate specializations, as well as training within the Teacher Training Department.

The Faculty offers spaces for learning, practice and research, represented by a variety of modernized lecture rooms, amphitheatres, laboratories,

mechanization halls, multimedia and internet access rooms, all equipped according to the specific requirements of the Agriculture field training.

Research is conducted in specialized laboratories and on the experimental fields of the research station Ezăreni or on some private farms in the region of Moldova. Practical training activities are carried out by students at the research station Ezăreni and the practice training centres at Făcăieni and Plaiul Șarului. Further training is done at renowned agricultural farms, food industry companies, as well as environmental protection agencies from the NE region of Romania.

The academic curricula enforce the requirements of both the legislative framework and the standards and performance indicators imposed by the Romanian Agency for Quality Assurance in Higher Education (ARACIS) at a national level, as well as by the EU norms, at a European level.

In order to assist students, the Faculty has set up a career guidance office. Moreover, students have always been encouraged to get involved in extra-curricular activities, be they sportive, artistic, professional.



Cycle	Domain	Specialization	Duration
1st (BA)	Agronomy	Agriculture Montanology Exploitation of Machines and Equipment for Agriculture and Food Industry	4 years
	Engineering and Management in Agriculture and Rural Development Food Engineering	Economic Engineering in Agriculture  Technology of Processing Agricultural Products Consumer and Environment Protection	
	Biology	Biology	3 years
	Agronomy	Agriculture (Distance Learning)	4 years
	Engineering and Management in Agriculture and Rural Development	Economic Engineering in Agriculture (Distance Learning)	

Cycle	Domain	Specialization	Duration
2nd (MA)	Agronomy	Expertise and evaluation of land fund Production of seed and planting material Alternative technologies in agriculture Modern agricultural technologies Analysis and diagnosis in agriculture	2 years
	Engineering and Management in Agriculture and Rural Development	Agribusiness administration Agricultural management Management of public alimentation and agritourism Agricultural management and audit	
	Food Engineering	Expertise on food processing Food safety and consumer protection Advanced processing systems and quality control of agroalimentary products	
	Biology	Preservation and use of plant genetic resources	

Cycle	Specialization	Duration
3rd (PhD)	Agricultural techniques Exploitation of Land Improvement Systems Phytopathology Plant Science (phytotechnics) Plant physiology Agricultural mechanization Forage Production and Storage Botany Management in Agriculture and Rural Development	3 years







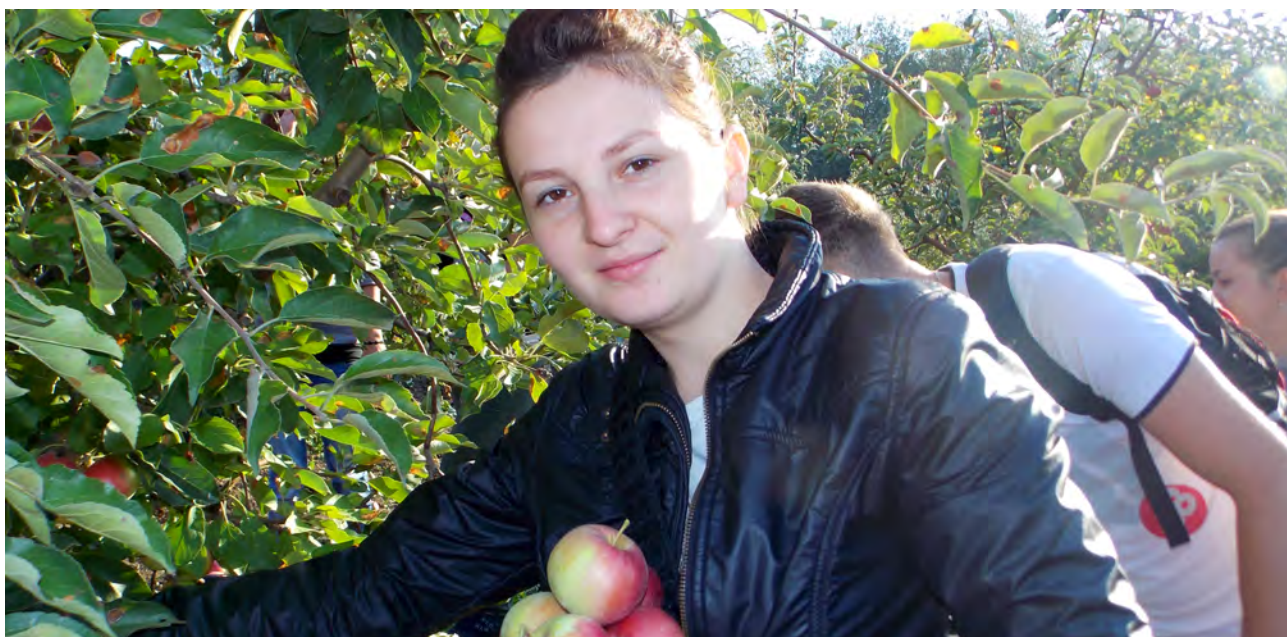


## Faculty of Horticulture

In Iași, the history of higher education in the science of horticulture is deeply interwoven with that of a famous Romanian scholar, Ion Ionescu de la Brad, and an equally legendary academic establishment, Academia Mihăileană, that hosted the lectures on agriculture, rural industry and agricultural engineering, viticulture, horticulture, vegetable and ornamental arboriculture. Following the development of horticulture at a regional and national level, setting up the Faculty of Horticulture in 1951 came as the most natural course of action. It is the second oldest Faculty of Horticulture in Romania that trains specialists for all sectors of horticulture. Currently, the Faculty of Horticulture offers wide academic choice of subjects at all levels (bachelor,

master, doctorate) and prepares specialists in horticulture, environmental engineering and landscape architecture. The entire activity of the faculty is supported by a leading academic body, of national and international recognition, which provides the necessary scientific strength of a prestigious academic community.

The Faculty has its own education facilities, teaching fields, laboratories, library etc., all modernly equipped. The Faculty of Horticulture plays an important role within the agricultural education, targeting students' training and education, teaching them the secrets of practicing a most complex and fascinating profession.



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## WHY STUDY HORTICULTURE?

Full-time undergraduate courses offered by the Faculty of Horticulture focus on Horticulture, Landscape Architecture and Environmental Engineering. Horticulture education programs students may also opt for distance learning.

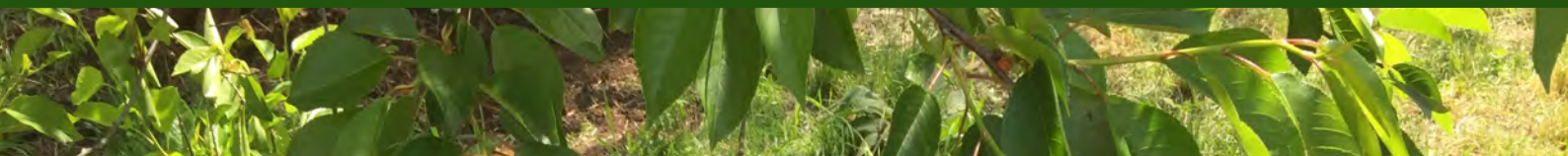
By studying Horticulture, students will be able to design and implement specific technologies in horticulture, viticulture, vegetable, flower and ornamental arboriculture, winemaking, storage and processing of horticultural technology, landscape architecture, as well as practice sustainable agriculture through efficient and rational use of energy and farm-related machinery, applying modern methods of plant protection and soil conservation.

Landscape architecture graduates acquire skills of design, execution and maintenance of landscape improvements in conjunction with relevant cultural, ecological and socio-economic factors; they operate

sensible interventions on built and natural landscapes; carry out preservation, restoration and landscape rehabilitation programs, by preserving such invaluable assets as authenticity, traditional style, original features and biodiversity.

The Environmental Engineering course trains specialists to apply practical methods with a view to controlling environmental pollution, based on a most profound knowledge of the laws of nature and to identify key ecological imbalances caused by the anthropogenic activity in order to reduce the current environmental crisis. Bachelor graduates from both the faculty and from other colleges and universities can complete training by attending horticultural specializations from master and doctoral profiles.

At the same time, the Faculty of Horticulture commits itself to an ongoing training of specialists through master's programs and doctoral studies.





Cycle	Domain	Specialization	Duration
1st (BA)	Horticulture	Horticulture Landscape architecture	4 years
	Environmental engineering	Environmental engineering	
Cycle	Domain	Specialization	Duration
2nd (MA)	Horticulture	Urban and territorial landscape design Ecological horticulture Production of horticultural seed and planting stock Plant protection Technology and quality control of beverages	2 years
Cycle	Specialization		Duration
3rd (PhD)	Floriculture Genetics and plant breeding Vegetable growing Plant protection (Entomology) Viticulture and wine making Fruit growing		3 years











## Faculty of Animal Sciences

The beginning of the higher education in the animal sciences domain is concretized in Romania, in 1948, with the birth of the Institute of Animal Sciences and Veterinary Medicine in Bucharest, which also included a Faculty of Animal Sciences.

The Faculty of Animal Sciences of Iași was founded in 1951, as part of “Ion Ionescu de la Brad” Agronomic Institute of Iași, being the third such institution in Romania, after the ones founded in Bucharest and Arad.

The year 1951 laid the foundation of the Faculty of Animal Sciences, its birth originating from the stringent need for highly trained technicians in animal breeding.

The main mission of the Faculty of Animal Sciences is to train specialists that will be able to fill in positions in the areas of management, marketing, animal farming and exploitation, as well as other fields that are relevant to the animal sciences domain.



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## WHY STUDY ANIMAL SCIENCES?

In over 60 years of experience, the Faculty of Animal Sciences has trained over 5000 graduates, some of which have held positions of ministers, general secretaries and state lawmakers, executives of reputed firms and holding companies, teachers, directors of institutes and research stations, researchers, farmers, etc.

The main objective of the curriculum reform of the Faculty of Animal Sciences is that of training technical staff specialized in livestock management. Furthermore,

we have always considered diversifying the educational offer in response to the various shifts in the labour market and developments in the fields of science. Thus, graduates of the Faculty of Animal Sciences acquire the invaluable skills of breeding animals, managing and processing livestock production and food quality control. In addition, in order to deepen the knowledge gained throughout the undergraduate courses, students are offered the opportunity to continue their studies with master and doctoral programs.

Cycle	Domain	Specialization	Duration
1st (BA)	Animal Sciences	Animal Sciences	4 years
		Pisciculture and aquaculture	
		Animal Sciences (Distance Learning)	
	Engineering and Management in Agriculture and Rural Development	Engineering and management in public food service and agritourism	
	Food Engineering	Control and expertise of alimentary products	

Cycle	Domain	Specialization	Duration
2nd (MA)	Animal Sciences	Animal nutrition and feeding Reproduction and genetic breeding Quality management and food safety Management of animal production Management of exploitations in aquaculture	2 years

Cycle	Specialization	Duration
3rd (PhD)	Animal feeding Cattle and equine exploitation technology Swine exploitation technology Fish farming technology Genetics and animal breeding Poultry and fur animals exploitation technology Sheep and goat exploitation technology Animal product technology Animal physiology	3 years



## Faculty of Veterinary Medicine

The Faculty of Veterinary Medicine of Iași offers two programs of study, one taught in Romanian, and the other one taught in English.

The Bachelor program of study is in accordance with the provisions of the European Directives 36/2005/EC and 55/2013/EU regarding the recognition of professional qualifications, as subsequently amended and

supplemented. The Diploma awarded to graduates bears the title of Doctor of Veterinary Medicine (DVM) and is recognized at the European level. The PhD program of study is offered only in Romanian, therefore accessible to all students who may provide a recognized Romanian language certificate in order to be admitted.



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## WHY STUDY VETERINARY MEDICINE?

The academic mission of The School of Veterinary Medicine in Iași is accompanied by a significant scientific activity acknowledged by numerous national and international prizes and medals. The invaluable human potential and logistics of the faculty opened fruitful cooperation relationships with renowned research

institutions such as the Pasteur Institute in Paris and the Romanian Academy - Petru Poni Institute of Macromolecular Chemistry in Iași. Thus, graduates are given the chance to continue their studies with doctoral and post-doctoral programs in a dynamic and motivated team of high international visibility.

Cycle	Domain	Specialization	Duration
1st (BA)	Veterinary Medicine	Veterinary Medicine (in Romanian) Veterinary Medicine (in English)	6 years
Cycle	Specialization		Duration
3rd (PhD)	Infectious Diseases Parasitical Diseases Microbiology - Immunology Anatomy and Pathological Anatomy Obstetrics and Veterinary Andrology Semiology and Internal Medicine		4 years



## DISTANCE LEARNING

Distance learning (DL) is a flexible form of education that provides students with the choice of place, pace and time to study individually and independently.

Distance learning involves using a wide range of educational technologies: printed teaching materials, audio, video, multimedia, tele-courses, video conferencing, online courses, Web pages, computer-mediated learning technologies, interactive methodologies for teaching-learning-assessment, integrated learning quality assurance, etc., developed in response to the information society we live in and in line with the current trends of modernization and globalization of education.

With its flexibility and modernity, escaping any constraints of time, space and pace of study, DL is a special attraction for mature students and working-age population, being considered a key element in the establishment of more interesting structures of education and teaching, more open and flexible, tailored to the specific professional, social, educational needs reflected by the labour market.

Attending the distance learning courses entitles graduates to continue their studies with any postgraduate programs they may choose.

Domain	Specialisation	Duration	Diploma
Agronomy Engineering and management Horticulture Animal Sciences	Agriculture Economic engineering in agriculture Horticulture Animal husbandry	4 years	engineer



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## RESEARCH INFRASTRUCTURE

The research activity within the Faculty of Agriculture is carried out in accredited research centers, within which there are specialized laboratories equipped with modern technology, such as:

- the Institute of Research for Agriculture and Environment (<http://icamiasi.ro/>)
- the Agricultural Research Center of Iași
- the Plant and Soil Analysis Laboratory
- the Laboratory for the Expertise, Certification and Control of Genetically Modified Organisms and of Agricultural Products
- Laboratory of Research for the mechanization of agriculture and food industry

The research activity within the Faculty of Horticulture is carried out in the Horticulture Research Center, as well as research laboratories, equipped with modern technology, such as:

- The Vegetable Growing Laboratory;
- The Floriculture Laboratory;
- The Viticulture Laboratory;
- The Entomology Laboratory;
- The Laboratory of Horticultural Products Technology;
- The Laboratory of Landscape Design;
- The Laboratory of Environmental Engineering.
- The Horticulture Research Center was established in 2001 within the Faculty of Horticulture and its research activity is unfolding in two principal laboratories:
- The Laboratory of Fruit Growing Research “Prof. Gică Grădinaru”
- The Laboratory of Oenology Research “Academician Valeriu D. Cotea”

Also, the Faculty of Horticulture has an accredited Center of Oenology Research and Analysis.

The research activity within the Faculty of Animal Sciences is carried out in accredited research centers, within which there are specialized laboratories equipped with modern technology, such as:

1. The Center for Animal Sciences Research of Iași (founded in 2001)
2. The Center for Monitoring Cattle Productions of Iași

### 3. Research laboratories:

- Laboratory for Aquaculture-Hydrology research
- Laboratory for Animal Sciences Research
- Laboratory for Genetics research
- Laboratory for Domestic Animal Nutrition
- Laboratories for the technological disciplines at the Faculty.

The Faculty has other facilities as well, such as:

- an apiary with 60 bee colonies;
- a bio-basis for poultry, fur animals and lab animals.

The research activity within the Faculty of Veterinary Medicine is carried out in specialized laboratories equipped with modern technology, as well as the veterinary clinics within the Faculty, such as:

### Laboratories:

- Anatomy Laboratory;
- Biochemistry and Toxicology Laboratory;
- Biophysics Laboratory;
- Physiology and Physiopathology Laboratory;
- Cellular Biology, Histology and Embryology Laboratory;
- Genetics Laboratory;
- Microbiology, Immunology and Immunopathology Laboratory;
- Pathological Anatomy and Forensic Medicine Laboratory;
- Hygiene, Mycology and Mycotoxicology Laboratory;
- Pharmacology Laboratory;
- Food Technology and Veterinary-sanitary Inspection and Control of food products Laboratory;
- Animal Nutrition Laboratory;
- Animal Science and Animal productions Laboratory;
- Semiology and Radiology Laboratory;
- Animal Biology / Parasitology Laboratory;
- Fish pathology Laboratory;
- Epidemiology Laboratory.

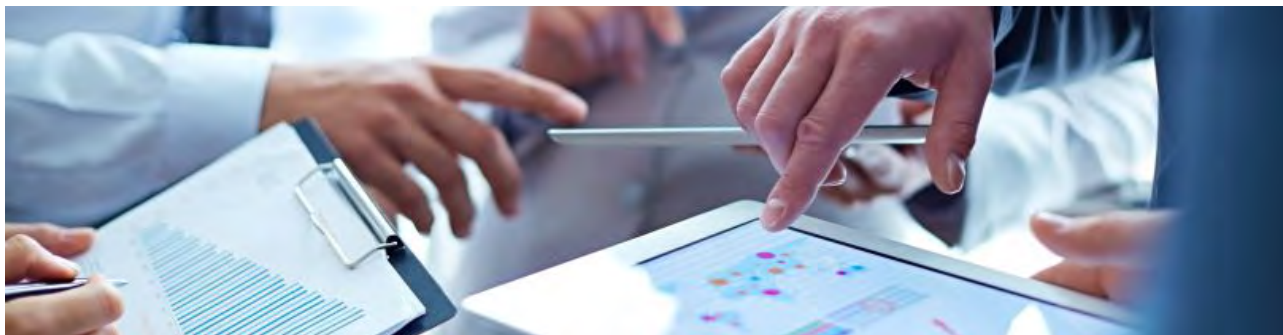
### Veterinary clinics:

- Internal Medicine clinic;
- Infectious diseases clinic;
- Parasitic diseases clinic;
- Obstetrics and Reproduction pathology clinic;
- Surgery clinic.

The clinics also offer spaces for hospital treatment and care for both small and large animals.



## PRACTICAL TRAINING FACILITIES



The fundamental objective of the practical training activities is to enable students to acquire the set of knowledge, skills and competences that are specific to the practice of the profession for which they are preparing, through the direct implication of students, along with professionals in the field, in the actual activity carried out at the targeted places chosen for the training (such as farms, companies, laboratories or research stations, veterinary clinics, etc.).

One of the essential components of the academic training may be considered the efforts in attracting students to conduct studies and experiments that are necessary in preparing the final project for their graduation thesis, as well as the practical application of all acquired knowledge on the experimental fields and in the students' academic activity.

Through the participation to the documentation oriented practical training, students gain a set of competences, such as:

- developing a positive attitude towards the domains of study;
- gaining a better understanding of the processes underlying the application of all technologies, methods and techniques used within the establishments visited by the students;
- identifying the methods and procedures that may lead to the optimization of the work processes observed;
- doing a qualitative and quantitative analysis of the effects of the technologies, methods and techniques used in the establishments visited by the students, as well as the implementation of national and EU policies, that are applied in each domain.

During the practical training activities, students have the opportunity to discover the problems and challenges that Romania is facing in the respective sector of activity, as well as the way in which they may be solved, which constitutes an advantage in the context of the alignment to the EU standards.

The transport of students during the training visits is done using the University's own busses and coaches.

The University has 4 main farms and research stations within the county of Iași, where students from the four faculties are sent to carry out practical training works:

- the horticultural farm "Vasile Adamachi" Iași – with experimental fields (vineyard, orchard, vegetable and floriculture crops), didactic collections (flowers, vegetables, vine, fruit trees and shrubs), oenological station etc.
- the didactic farm in Ezăreni (Iași county)
- the didactic farm in Rediu (Iași county)
- The Research and Development Station for Cattle breeding SCDCB Dancu (Iași county) – farm under the coordination of USAMV Iași

The University has practical training conventions with other farms as well, under the coordination of the professors of different subjects taught at the university, as well as the farm staff.

The practical training for students may also be carried out in other locations of the country, such as at the practical training centers of Plaiul Șarului (Suceava county), Făcăieni (Suceava county) and Frasin (Suceava county).



## TEACHER TRAINING DEPARTMENT

### *Following the footsteps of the ancestors...*

Pioneer professor Stephen Bârsănescu, educated at famous German universities, has promoted an education policy (cultural policy, 1937) tailored for the Romanian reality. Banned from "Al. I. Cuza" University, Professor Bârsănescu was accepted to lecture at our university (1946-1953), creating a new field, that of agricultural pedagogy. His assistant, professor George Vaideanu (1953-1954) continued his master's pedagogy of culture, adding his international expertise gained as high UNESCO official between 1973-1981. A close collaborator of Professor Vaideanu was the methodologist Nicolae Cerchez (1983-1984, 1996-2002). His research focused on modernizing the agricultural high school curricula, approaching an inter-disciplinary perspective upon the teaching-learning process and, as a true spiritual testament, he left a sound pedagogical approach of agricultural subjects. Following such illustrious predecessors, those who teach pedagogical subjects today have a noble mission and infinite new responsibilities in accordance with the needs of our times in modeling and shaping the human dimension.

### *Innovative experiences...*

#### Mission:

- Initial and continuous training of teachers from secondary and higher education;
- Expertise of the teachers of the department, previously engaged in secondary education, trainers in the field of pedagogy;
- Promotion of innovative projects: "Development of metacognitive competence to first year students

(teach students how to learn), in partnership with universities of Suceava and Bacău", 92106/2008 / PN NASR II, (coordinator PhD, Prof. Mihai Stanciu), "Strengthening the institutional capacity of the Regional Consortium to develop vocational and technical education and higher education in line with the challenges of postmodern society," HRD/41/3.3/G/21568 (coordinator Conf. dr. Mihai Stanciu), "Strategies for sustainable rural development in Central Moldavia by stimulating and developing groups of farmers as a result of interdisciplinary research," 1133/2008 NURC (coordinator. PhD, Assoc. Prof. Carmen-Olguța Brezuleanu);

- Modernizing teaching and learning processes through the integration of 3D technologies (the 5 laboratories of the University of Agriculture and Veterinary Medicine Iasi) for the initial and continuous training of teachers;
- Educational projects of interdisciplinary character ("Grigore C. Moisil" Informatics High school, "Vasile Adamachi" College, "H. Vasiliu" High school in Miroslava;
- Research in university teaching.

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Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iași has a total surface of 13798 square meters, out of which 7117 square meters represent the surface used in the academic, research and training activity, such as 9 amphitheatres, several seminar rooms, lecture rooms, 44 laboratories, a festivity hall with a 700 places capacity, mechanization hall, veterinary clinics, 3 farms: Ezăreni Farm, V. Adamachi Horticultural Farm, Rediu Farm, 6 accredited research centers, all the aforementioned spaces being the University's property and pertaining to the public domain.

## THE MUSEUM OF THE FACULTY OF VETERINARY MEDICINE OF IAȘI

The Museum started off as a collection of various molds and original gypsum models illustrating veterinary anatomy systems, created by Professor Vasile Coțofan, a renowned academic of the Faculty of Veterinary Medicine of Iași. During Professor Coțofan' academic activity, over four decades of work, the collection has gradually grown, until the museum has reached the present collection of exhibits.

The museum currently displays numerous exhibits, such as anatomical pieces, gypsum models and molds, of both big and small animals, including pathological pieces, being open to students, academics, researchers from Romania and from abroad.

## STUDENT ACCOMMODATION

USAMV Iași offers students accommodation based on their academic performance and according to the number of places available. There are 5 student dormitories, the fifth one being recently opened for use.

The accommodation services include connection to the Internet, cable TV, cooking facilities and laundry rooms. The accommodation fees are annually established by the University's Senate, based on different student categories (self-paying students, scholarship students, social cases, etc.).

## STUDENT CAFETERIA – RESTAURANT

The student cafeteria, called “Târgușor Copou” Student Restaurant, taking its name after the area in which it is situated, is located near the University, allowing students easy access within walking distance from the campus. It was modernized in 2008 and it covers an area of approximately 800 square meters having a capacity of 350 seats. The opening hours are between 12:00 a.m. and 21:00 p.m. during the period of academic activity (but not during the holidays).

## SPORTS FACILITIES

The University has the best sports facilities in all university centres of Iași, including two sports halls, a fitness room, two tennis courts, a racing track, a floodlighting system, and a modern stadium with artificial lawn and artificial lighting.

Students may go to the sports facilities every week, even outside of the sports classes.

## CAMPUS MEDICAL SERVICES

Students may benefit from medical services, free of charge, in the medical offices located in the University campus, within the dormitory buildings.



## LIBRARY

The USAMV Library in Iași has a scientific and encyclopedic profile and ranks as one of the central university libraries of the city. Its history is closely intertwined with that of the university itself. The Library was initially established for the Faculty of Agricultural Sciences, which was based in Iași and Chișinău.

Recently extended and modernized, the library functions in a newly refurbished space spanning on four levels with a space covering 1.350 square meters. It comprises 3 Reading Rooms with 191 seats available for users and a Multimedia & Internet Room with 41 PCs, ensuring comfortable study and research conditions.

The staff of twelve librarians carries out all of the main specific activities and services, such as: acquisition, cataloging, classification circulation, loan and reservations services, statistic reports and the management of serials, interlibrary loan, e-mail alerts etc., with the help of the specialized library software Liberty3 and thus providing high quality services for its 4522 users.

The total fund (books, periodicals, papers, courses, electronic items) of the Library comprises 99.158 volumes. The online ANELIS database can be easily accessed from the Library's website and offers the latest

information on various domains of scientific research.

It also houses a wide collection of rare patrimony books dating back to the 18th and 19th century. Among the oldest publications we mention here specialized books, dictionaries and encyclopedias printed abroad starting with the 18th century.

The Library has a network of 92 national and international exchange partners, sending and receiving a variety of scientific publications. Further developing within an international context, the USAMV Library in Iași became a founder member of the Balkan Libraries Union (BLU), whose general aim is to assist libraries in the Balkan region in forming a functional network, improving access to collections in Balkan libraries and providing more efficient library information services in the Balkans.

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## ADVANCED 3D VISUALIZATION CENTRE



“Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iași is the only higher education institution in Romania that offers its students the possibility of learning using the 3D technology. The University is equipped with five laboratories where different objects can be viewed with leading 3D technology.

The Centre for Advanced 3D Visualization of USAMV Iași is the first of its kind in Romania. Students and teachers of the four faculties of “Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine can study plants, animals or their environment, three-dimensionally, as if they were right in front of them.

The first type of laboratory is that of telepresence - a set of technologies which allow the broadcast of the image of a person that gives the appearance of being present at a place other than their true location. Telepresence allows such persons to attend a meeting even if they are not physically present. It can be used for distance learning or distance collaboration with various professors.

The second type of laboratory (CAVE) is a room of immersion or “dive” in the virtual world, where the image is created through projections in three directions. The third type of laboratory is used for research - innovation and enables the performance of a series of analyses and forecasts for a certain period of time, afterwards reproduced in images.

The Virtual Development Lab is where “developers” shape in 3D various models proposed by teachers, researchers or students.

The last type of laboratory is actually a show room destined to project three dimensional images. “Haralamb Vasiliu” Great Hall of the University is equipped with speakers in all areas and a screen on which 3D images can be projected.

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# INTERNATIONAL RELATIONS

## PAST AND PRESENT INTERNATIONAL COOPERATION BETWEEN USAMV IAȘI AND UNIVERSITIES AROUND THE WORLD

International relations constitute nowadays, more than ever, a priority not just for “Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iași, but for any university.

Since the 1990s, our University has developed special partnership and cooperation programs that have considerably enlarged the framework of international collaboration, and special efforts have been made in order to adjust the existing curricula to similar European university programs. One of the most important aspects is the mobility of students and academic staff.

USAMV Iași has maintained some strong historical cooperation relations with Universities from countries such as Greece, Germany, France, Italy, Egypt and Turkey, as well as expanded its international activity, by initiating new cooperation relations with both EU and non-EU countries, resulting in fruitful exchanges and collaboration in the academic and research fields.

USAMV Iași presently holds a total of 63 International Agreements of Cooperation, some of which have been signed as early as the 1990s, and some being as new as the middle of 2017. These Agreements stand outside of

the Erasmus+ umbrella, as inter-institutional agreements, managed by the International Relations Office, for academic exchanges and cooperation in both teaching and research.

These international partnerships provide students and academic staff with opportunities of study and training, teaching and research work abroad.

The main opportunities that are open to students for having an internship or a student or training mobility abroad may be accessed through:

- the AUF (Agence Universitaire de la Francophonie) – for scholarships, internships, working opportunities;
- the IAESTE (The International Association for the Exchange of Students for Technical Experience) for internships;
- mobilities financed through DAAD (German Academic Exchange Service) in cooperation with IAESTE;
- Cooperation Agreements with international partner Universities allowing short period mobilities of study, training and research;
- the Erasmus+ programme for mobilities of study and training.

The International Relations Office offers guidance and assistance to all incoming and outgoing students and academic staff, as well as information on all possible opportunities for international mobilities.

### INTERNATIONAL RELATIONS OFFICE

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## STUDENT GALLERY



Students' thoughts on the experience of being a student at USAMV Iași

“Our international community in our University helps us to be more comfortable to speak in English and communicate with people and create relationships with them. It helps us to open our mind to the world and not only on a small scale, of a country.” – Emmanuelle Blanchecotte, 2nd Year, Faculty of Veterinary Medicine

“It's a really good experience and it was not difficult to adapt to this new country. Moreover, people are really helpful so except the language and the culture, it feels like home!” – Mathilde Leclere, 2nd Year, Faculty of Veterinary Medicine





## STUDENT LIFE

USAMV Iași students have a diverse set of opportunities to become involved in academic activities, as well as activities that allow them to express their creativity and interact with other international students (such as fellow Erasmus students and visiting students).

Some of the events and activities organized for students are:

- the Student Scientific Symposium (in April)
- USAMV Iași has been organizing every year the Student Scientific Symposium, where students from all 4 Faculties, coordinated by their professors, have presented scientific papers. 1st Year students may also participate, as well as any other students from all specializations. Students are welcome to participate either directly, as presenters, or as part of the audience.
- the Scientific Congress with international participation (in October)
- USAMV Iași has been organizing every year the Scientific Congress with international participation, where professors from partner Universities, as well as professors from USAMV Iași, hold scientific presentations; also, seminars are organized within each Faculty, to which all students and academic staff are invited to participate; the University also organizes a fair for agricultural products, as well as expositions for different types of equipment (agricultural and animal sciences oriented).
- contests throughout the year (cooking contest/seminar, photo contests, fishing contest etc.)
- presentations of recruiting companies (for all areas of work, such as agriculture, horticulture, animal sciences and veterinary medicine)
- Students have the opportunity to see what companies are looking for USAMV Iași graduates, what are their requirements in hiring new graduates as well as students (for summer internships), what jobs are available for short term and long term periods, etc.
- seminars or lectures held by visiting professors from partner Universities
- meetings with the "USAMV Iași Foreign Students Network" club for all our international students
- This club is meant to be a means of communication

for the whole international students community studying at USAMV Iași (Veterinary students-English section, Erasmus+ students, visiting students, foreign students studying in Romanian).

- The meetings are held at the University, but students can also participate to virtual discussions by following the "USAMV Iași Foreign Students Network" Facebook group, which is a closed group (based on membership request).

These events and activities, as well as others that students may benefit from, are announced on the Facebook group (USAMV Iași Foreign Students Network), as well as on the University's official website.

## SCHOLARSHIPS

Merit, study and social aid scholarships are granted to students according to Law 441/2001, throughout the academic year. Scholarships are awarded each semester on the basis of the results obtained during the first semester of the previous academic year, and on the basis of the results obtained during the winter session of exams for the second quarter.

Merit and study scholarships are granted to students enrolled in full-time bachelor's programs at state-run universities, according to their academic records, as well as to postgraduate students, according to the scholarship funds awarded by the Ministry of Education. Social aid scholarships are granted on request, depending on the financial situation of the student or family breadwinner. Career performance is a merit scholarship that is awarded through competition for professional and scientific performance, starting with the second year of studies.

Scientific performance scholarships are granted to students enrolled in public education programs, through competition, starting with the second year of study, if during the previous year they have achieved outstanding scientific results scoring a maximum 10.00 partial average in all mandatory and optional subjects provided by the academic curricula, regardless of the income of parents or legal supporters.









# ADMISSION PROCEDURES

## GENERAL ASPECTS

- USAMV Iași offers programs of study in Romanian and English.
- The Faculty of Veterinary Medicine offers programs of study in both Romanian and English.
- The other three Faculties offer programs of study in Romanian only.

If students wish to study at our University in Romanian, they may take a preparatory year of Romanian and then participate in the admission session, along with the Romanian students, in order to be accepted at the Faculty and program of study of their choice.

In order to pursue this option, students have the following options:

- apply directly at the institutions who offer the program of Romanian language preparatory studies (1 year), based on tuition (depending on each University organizing the preparatory year).
- apply for the scholarships offered by the Romanian state based on Bilateral Programmes (the scholarships offered by the Romanian state in keeping with bilateral treaties in force or with unilateral offers made by Romania to other states are managed by the Ministry of National Education, through the General Department for International and European Relations, based on proposals from

the relevant authorities of the candidate's country of origin - [www.edu.ro](http://www.edu.ro)).

- apply for the scholarships offered by the Romanian state through the Ministry of Foreign Affairs at Romanian state universities: [www.mae.ro/en/node/2176](http://www.mae.ro/en/node/2176) (general information about the Study in Romania program) [www.mae.ro/en/node/10251](http://www.mae.ro/en/node/10251) (Methodology for Scholarships offered by the Romanian State to foreign citizens through the Ministry of Foreign Affairs).

For more information, please contact our International Relations Office team, at [bri@uaiasi.ro](mailto:bri@uaiasi.ro) or at 004 0232 407367.

After finishing the preparatory year of Romanian and obtaining the language certificate (B2 level), students may participate in the admission session organized by the Faculty of their choice, along with the Romanian students, if they want to pursue programs of study taught in Romanian.

## ADMISSION PROCEDURES FOR STUDENTS WISHING TO STUDY IN ENGLISH

All students who wish to apply for the Veterinary Medicine program of study in English follow the same





application procedures. This means that Romanian citizens, citizens from EU countries and non-EU countries may be accepted to study at the Faculty of Veterinary Medicine in Iași. The application procedures, as well as the study conditions, are the same for all candidates, including the deadlines for application and the tuition fee.

The Faculty of Veterinary medicine of Iași organizes the admission session in summer (July), offering a total number of 50 places. In case there are any places left available, a second admission session may be organized in autumn (September).

## APPLICATION PROCESS

**Step 1:** Evaluation of electronic application files  
Candidates may send scanned copies of their documents and receive feedback on the state of their application file, before sending the physical application file to the University's address.

International Relations Office e-mail: [bri@uaiasi.ro](mailto:bri@uaiasi.ro)

Secretariat e-mail: [secre\\_vet@uaiasi.ro](mailto:secre_vet@uaiasi.ro)

**Step 2:** Submission of the physical application files to the University, respecting the submission deadlines.

**Step 3:** Online admission interview (via skype)

**Step 4:** Confirmation of the place, following the publication of the list of admitted candidates.

## DATES AND DEADLINES

The dates and deadlines of the admission process will vary from year to year, but generally, the summer admission is organized in the last 2 weeks of July and the autumn admission in the first week of September.

Students who wish to apply are kindly asked to check the University's website or contact the International Relations Office ([bri@uaiasi.ro](mailto:bri@uaiasi.ro) or 004 0232 407 367) and ask about these dates.

## MENTIONS REGARDING THE DOCUMENTS OF STUDY

The Romanian Ministry of Education imposes a set of requirements for a certain number of diplomas (such as a minimum average grade obtained at the high school graduation exam/Baccalaureate, a minimum number of subjects relevant for the field of study students apply for, that need to appear on the high school graduation exam/Baccalaureate, certain types of diplomas that are recognized/or not, etc.). Therefore, students who wish to apply are kindly asked to contact the International Relations Office ([bri@uaiasi.ro](mailto:bri@uaiasi.ro) or 004 0232 407 367) and ask about these requirements, depending on the country where they have studied in.







## WHY STUDY IN IAȘI?

The city of Iași is one of the most important cultural center of Romania, also known as the cultural capital of the country, where the old and the new intertwine and produce a rich and nourishing foundation for all those who decide to spend some time discovering its beauty.

If you decide to come study in Iași, the city will offer you the best sources of new discoveries, fun and memorable experiences, through its historical, as well as modern places. Having three important university campuses in the central area of the town, among which our University's campus may be mentioned, this makes the city a place where international, as well as Romanian students meet, where languages and cultures are brought together in an exciting mix.

The city offers numerous historical places to visit, such as the Palace of Culture, which is the symbol of the city, the Metropolitan Cathedral, Golia Monastery, "Moldova" State Philharmonic of Iași, the National Theater, as well as all the museums which preserve our history and culture.

Iași offers resources for all types of interests students may have: libraries for their academic interests, places to visit, for their cultural discovery interests, restaurants, cinemas, theaters and malls, for their leisure interests. Student life in Iași is rich in possibilities and opportunities, which makes the city the perfect place to start your international experience and academic journey.





## WHY STUDY AT USAMV IAȘI?



“Ion Ionescu de la Brad” University of Agricultural Sciences and Veterinary Medicine of Iași supports its students' academic journey through engaging and formative programs of study, an extended campus, meant to care for all its students' needs and interests, as well as the attention and care of both academic and administrative staff.

The International Relations Office team is actively supporting all international students, in welcoming them to our University, helping them feel integrated in

our academic environment, and offering assistance and guidance in any situation they face.

So, why study at USAMV Iași? We are offering high quality training, based on committed and sustained work, solid work ethics, values, perseverance and a common wish for achieving our set goals. Our program of study offers a perfect balance between theory and practice, being a formative instrument for the creation of future successful practitioners of the veterinary medicine profession.



