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Evaluation Report of the Doctoral School: VETERINARY MEDICINE (USAMVBT Timișoara)

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I. Introduction

The existence of the UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF THE “KING MIHAI I OF ROMANIA” BANAT FROM TIMIȘOARA (USAMVBT) is related to the establishment of the Faculty of Agronomy, within the Polytechnic Institute on December 30, 1945. In the same year, the Institute of Animal Husbandry and Veterinary Medicine was established in Arad, with two faculties: (1) Animal Husbandry and (2) Veterinary Medicine. In 1955, through HCM no. 1608, the Faculty of Animal Husbandry was transferred to the Timisoara Agronomic Institute, and in 1957, the Faculty of Veterinary Medicine was integrated into the Faculty of Veterinary Medicine in Bucharest. In 1957, the Faculty of Animal Husbandry was transformed into a section of the Faculty of Agronomy and the new structure functioned, until 1962, under the name of the Faculty of Agriculture and Animal Husbandry. In 1962, the Faculty of Veterinary Medicine was established within the Timișoara Agronomic Institute. By Order of the Minister of Education no. 80646, in 1968 the Faculty of Animal Husbandry was re-established, the Timișoara Agronomic Institute functioning, until 1987, with three faculties: (1) the Faculty of Agriculture, (2) the Faculty of Animal Husbandry and (3) the Faculty of Veterinary Medicine. In 1987, the Timisoara Agronomic Institute was reorganized, operating as a single faculty with three departments: (1) Agriculture, (2) Animal Husbandry and (3) Veterinary Medicine. After 1989, the educational offer of USAMVBT diversified, within the university currently operating a number of 6 faculties: (1) Faculty of Agriculture, (2) Faculty of Horticulture and Forestry, (3) Faculty of Agricultural Management, (4) Faculty of Veterinary Medicine, (5) Faculty of Agri-Food Technology and (6) Faculty of Animal Husbandry and Biotechnology. By Order of the Minister of Education and Science no. 4894 of

22.03.1991, the name of the institution was changed in the University of Agricultural Sciences of Banat Timișoara (USABT), and in 1995, by the Decision of the Romanian Government no. 568, the name was the University of Agricultural Sciences 2 and Veterinary Medicine of Banat from Timișoara (USAMVBT). Under H.G. no. 493 / 17.07.2013, the institution changed its name, respectively the current name being the UNIVERSITY OF AGRICULTURAL SCIENCES AND VETERINARY MEDICINE OF THE BANAT "KING MIHAI I OF ROMANIA" FROM TIMIȘOARA (USAMVBT).

At the moment the Veterinary Medicine Doctoral School (VMDST) is organized as a Department within UDSOI-BUASVMT, with 16 active teaching staff: lecturers with habilitation (1), associate professors with habilitation (5) and professors; with the right to supervise doctoral studies (10) of which: with habilitation (3) and one retired professor, 15 with basic teaching at the Faculty of Veterinary Medicine Timișoara. All VMDST staff met the minimum conditions of habilitation as PhD supervisors at the time of their appointment according to Annex 21 of Order no. 6129 of 20 December 2016 (Annex A18 și Annex A18a).

Currently, after the new licensing conditions, 13 supervisors meet all the minimum assessment standards (Annex A13).

Doctoral students

A total of 75 PhD students (in different academic situations) are enrolled in the VMDST PhD programme, all doctoral theses defended to date have been approved by the CNATDCU committee. After admission to doctoral studies, the University concludes with doctoral students a doctoral study contract and, where appropriate, an additional act to the doctoral study contract, for those who will carry out teaching activities without payment, (within the limit of 6 conventional hours per week).

The doctoral studies contract does not constitute an individual employment contract. Admitted doctoral students can benefit from doctoral grants according to the National Education Law 1/2011. Doctoral students are assimilated within the University as research assistants or university assistants, for a fixed period. The 4-6 conventional teaching hours per week (laboratory and/or practice) that a PhD student can support is normalized in the departmental staff of the department to which the respective teaching activities belong and not at VMDST. If this amount is exceeded doctoral students are paid on an hourly basis at assistant level.

At VMDST, the PhD student is the author of the PhD thesis and assumes the accuracy of the data and information presented in the thesis, as well as of the opinions and demonstrations expressed in the thesis and the PhD supervisor is responsible together with the author of the thesis for compliance with quality or professional ethics standards, including ensuring the originality of the content, according to the provisions of art. 170 of Law no. 1/2011.

After obtaining the PhD degree, alumni from VMDST had the opportunity to be employed within the first 12 months (95-100%) or even much sooner in positions mainly in veterinary practice, higher education or in fields related to the presented theses, with a significant part successfully employed as specialists abroad in countries such as UK, Sweden, France, Germany etc.

II. Methodology used during evaluation

Carrying out the external evaluation report of VMDST, a series of activities were carried out, which included:

- Analysis of the Internal Evaluation Report (with the relevant annexes)

- Analysis of documents provided by IOSUD during the evaluation (additional documents on funding and internationalization were requested);
- Analysis of documents, data and information available on the IOSUD/School/Doctoral School website (www.usab-tm.ro), in electronic format;
- Meeting and discussions with doctoral students in the field of Veterinary Medicine, 13.10.2021 from 12.00-13.00, on the Zoom platform. 12 doctoral students participated in the discussions.
- Meeting and discussions with graduates in the field of Veterinary Medicine, 12.10.2021 from 15: 00-16: 00, on the Zoom platform. 8 graduates participated in the discussions.
- Meeting and discussions with the employers of graduates in the field of doctoral studies evaluated with the employers of graduates in the field of Veterinary Medicine, 13.10.2021 from 15: 45-16: 45, on the Zoom platform. 7 employers participated in the discussions.
- Meeting and discussions with the management of the Doctoral School of Veterinary Medicine, 11.10.2021, 11.00-12.00 on the Zoom platform. All CSD members participated in the discussions.
- Meeting and discussions with the doctoral supervisors from the Doctoral School of Veterinary Medicine, 11.10.2021, 14.30-15.30 on the Zoom platform. All active doctoral supervisors participated in the discussions.
- Meeting/discussions with representatives of the various structures of IOSUD/School /Doctoral Schools in which the field of evaluated doctoral studies operates:
The meeting was held with representatives of the various associated structures IOSUD / domains, 11.10.2021, on the Zoom platform, as follows:

- Doctoral School Council,

- Commission for Evaluation and Quality Assurance,

- Ethics Commission (including students representing these structures);

- Application of questionnaires to doctoral students or teachers in the field of evaluated doctoral university studies. The questionnaires were applied to the doctoral students at IOSUD level, the centralization and presentation of the results of these questionnaires being presented in the IOSUD report.

III. Analysis of ARACIS performance indicators

CRITERION A. INSTITUTIONAL CAPACITY

CRITERION A.1. Institutional administrative, managerial structures and financial resources

STANDARD A.1.1. The institution organising doctoral studies (UDSOI) has implemented the efficient operating mechanisms laid down in the specific legislation on the organisation of doctoral studies

A.1.1.1. Existence of specific regulations and their application at UDSOI and doctoral school level, with the last five years as a reference period

(a) internal regulations of the administrative structures (institutional regulations for the organisation and conduct of doctoral studies, doctoral school regulations); - indicator is fulfilled

(b) the methodology and evidence of the holding of elections at UDSC level;- indicator is fulfilled

(c) the methodology of the last competition for the position of UDSC Director and evidence of its organisation;)- indicator is fulfilled

(d) methodologies for the organisation and conduct of doctoral studies (admission of doctoral students, completion of doctoral studies);- indicator is fulfilled

(e) the existence of mechanisms for recognising the status of doctoral supervisor and the equivalence of doctorates obtained in other countries;.- indicator is fulfilled

(f) functional management structures - UDSOI/UDSC/Doctoral School Council (regularity of convening meetings);- indicator is fulfilled

(g) the PhD contract;- indicator is fulfilled

(h) internal procedures for reviewing and approving proposals for the themes of doctoral degree programmes;- indicator is fulfilled

A.1.1.2. The regulations of the doctoral school include mandatory criteria, procedures and standards for the aspects specified in Art. 17, para. (5) of Government Decision No 681/2011 on the approval of the Code of Doctoral Studies, as amended.

(a) the acceptance of new doctoral supervisor members, as well as regulations on how a doctoral supervisor can be withdrawn from the doctoral school; - indicator is fulfilled

(b) the mechanisms by which decisions are taken regarding the appropriateness, structure and content of the advanced degree-based training programme; - indicator is fulfilled

(c) the procedures for changing the doctoral supervisor of an individual doctoral student and the procedures for mediating conflicts; - indicator is fulfilled

(d) the conditions under which the doctoral programme may be interrupted; indicator is fulfilled

(e) the procedures for preventing fraud in scientific research, including plagiarism; - indicator is fulfilled

(f) ensuring unrestricted access to research resources;- indicator is fulfilled

(g) the obligations of doctoral students in terms of attendance, according to the methodology developed by the MEC - indicator is fulfilled

STANDARD A.1.2. UDSOI has the necessary logistical resources to fulfil the mission of doctoral studies.

A.1.2.1. Existence and effectiveness of an adequate IT system to keep track of doctoral students and their academic progress.- indicator is fulfilled

A.1.2.2. The existence and use of a computer program and evidence of its use for checking the percentage of similarity in all PhD theses.- indicator is fulfilled

STANDARD A.1.3. UDSOI ensures that financial resources are used optimally and that income from doctoral studies is supplemented by funding additional to that provided by the government.

A.1.3.1. Existence of at least one research or institutional development/human resources grant in implementation at the time of submission of the self-assessment dossier, per field of doctoral studies or existence of at least 2 research or institutional development/human resources grants per field of doctoral studies obtained by doctoral supervisors in the assessed field in the last 5 years.- indicator is fulfilled

**A.1.3.2. The percentage of doctoral students existing at the time of the evaluation, who are also supported for a minimum of six months by sources other than government funding, through scholarships from individuals or companies, or are financially supported through research or institutional development/human resources grants, is not below 20%.- indicator is fulfilled*

If we also refer to the number of doctoral students employed annually as research assistants/part-time employment contracts/service contracts for which funding is provided by hour/salary, then the percentage exceeds 20%.

**A.1.3.3. At least 10% of the total amount of doctoral grants obtained by the university under institutional contract and tuition fees collected from fee-paying doctoral students shall be used to cover the doctoral students' training expenses (participation in conferences, summer schools, courses, placements abroad, publication of scholarly articles or other specific forms of dissemination, etc.).- indicator is fulfilled*

CRITERION A.2. Research infrastructure

A.2.1 UDSOI/Doctoral schools have a research infrastructure to support the specific activities of doctoral studies

A.2.1.1. The premises and material equipment of the UDSOI/doctoral school allow for research activities to be carried out in the assessed field, in accordance with the mission and objectives (computers, specific software, apparatus, laboratory equipment, library, access to international databases, etc.). The research infrastructure and the research service offer are presented to the public via a profile platform. The research infrastructure described above, acquired and developed in the last 5 years, will be highlighted separately. - indicator is fulfilled

A.2.1.2. The Doctoral School has collaboration agreements with higher education institutions, research institutes, research networks for the exploitation in partnership of various research infrastructures and presents its research services to the public through a research platform. - indicator is fulfilled

CRITERION A.3. Human Resources Quality

STANDARD A.3.1. At the level of each doctoral school there is sufficient qualified staff to ensure a qualitative educational process.

A.3.1.1. At least three doctoral supervisors work in the doctoral field and at least 50% of them (but not less than three) meet the minimum CNATDCU standards in force at the time of the evaluation, necessary and mandatory for obtaining the habilitation certificate.- indicator is fulfilled

**A.3.1.2. At least 50% of the PhD supervisors in the assessed PhD field are titular within UDSOI. By titular status within the UDSOI analysed, it is understood that the PhD supervisor has a full-time employment contract for an indefinite period in the coordinating higher education institution of the UDSOI or in one of the component institutions of the consortium forming the UDSOI or the partnerships concluded under the terms of art. 6 of GD no. 681/2011, as amended.- indicator is fulfilled*

A.3.1.3. The subjects of the training program based on advanced university studies related to the field are taught by teachers or researchers who have the status of doctoral / habilitated supervisor, professor / CS I or university lecturer / CS II with proven expertise in the field of the subjects taught or other specialists in the field who meet the standards set by the institution for the above-mentioned teaching and research positions, in accordance with the law. - indicator is fulfilled

**A.3.1.4. The proportion of PhD supervisors who concurrently supervise more than 8 PhD students, but not more than 12, during their PhD studies (3 or 4 years, depending on the field, plus extension periods granted under Art. 39, para. (3) of GD no. 681/2011, as amended), does not exceed 20%.- indicator is fulfilled*

STANDARD A.3.2. Doctoral supervisors in the Doctoral School carry out internationally visible scientific work.

A.3.2.1. At least 50% of the PhD supervisors in the field under evaluation present a minimum of 5 publications indexed by Web of Science or ERIH in journals with impact factor or other achievements, with relevant significance for the field in which there are contributions of international level revealing a progress in scientific research - development - innovation for the evaluated field. The mentioned PhD supervisors have international visibility in the last five years, consisting of: membership in scientific committees of international publications and conferences; membership in boards of international professional associations; membership in invited conferences or expert groups held abroad or membership in PhD thesis committees at universities abroad or in co-supervision with a foreign university. For the Arts and Sport Science and Physical Education branches of science, doctoral supervisors will provide evidence of international visibility over the last five years through membership of boards of professional associations, membership of organising committees for international artistic events and competitions, or membership of juries or judging teams for international artistic events or competitions.. - indicator is fulfilled

**A.3.2.2. At least 50% of the doctoral supervisors assigned to a field of doctoral studies continue to be scientifically active, obtaining at least 25% of the score required by the CNATDCU minimum standards in force at the time of evaluation, necessary and mandatory for obtaining the habilitation certificate, based on the scientific results of the last five years.- indicator is fulfilled*

CRITERION B. EDUCATIONAL EFFICIENCY

CRITERION B.1: The number, quality and diversity of candidates who applied for the the admission competition

STANDARD B.1.1. *The doctoral institution has the capacity to attract more candidates than the number of available places.*

**B.1.1.1. The ratio between the number of graduates at master's level from other higher education institutions in the country or abroad who have applied for admission to doctoral studies in the last five years and the number of places funded from the state budget offered in the doctoral school is at least 0.2.. - indicator is fulfilled*

Graduates of the Faculties of Veterinary Medicine do not require a master's degree to pursue doctoral studies, because undergraduate studies have an integrated master's degree program (6 years). Fulfilling this indicator is quite difficult for the profile of Veterinary Medicine.

Recommendation: The improvement of the aforementioned indicators can be achieved by proposing to graduates to conduct interdisciplinary research in the field of broadly understood natural sciences which will allow graduates of various faculties to apply.

B.1.2. Standard Candidates admitted to doctoral studies are of the highest quality.

**B.1.2.1. The dropout rate of PhD students 2 years after admission does not exceed 30%. - indicator is fulfilled*

CRITERION B.2: Content of doctoral degree programmes

STANDARD B.2.1. *The advanced undergraduate-based training programme is suitable to improve the research skills of PhD students and to strengthen ethical behaviour in science.*

B.2.1.1. The advanced degree-based training programme comprises a minimum of three disciplines relevant to the scientific research training of doctoral students, of which at least one discipline is devoted to the in-depth study of research methodology and/or statistical data processing- indicator is fulfilled

B.2.1.2. There is at least one discipline dedicated to ethics in scientific research and intellectual property or well-defined themes on these topics within a discipline taught in the doctoral programme.- indicator is fulfilled

B.2.1.3. The UDSOI has mechanisms in place to ensure that the advanced degree-based training programme for the assessed field addresses 'learning outcomes', specifying the knowledge, skills and responsibility and autonomy that doctoral students should acquire after completing each discipline or through research activities.- indicator is fulfilled

B.2.1.4. Throughout the doctoral training period, doctoral students in the field benefit from the advice/guidance of functional mentoring committees, reflected through mentoring and written feedback or regular meetings.- indicator is fulfilled

B.2.1.5. For an area of doctoral study, the ratio between the number of doctoral students and the number of supervising teachers/researchers must not exceed 3:1.- indicator is fulfilled

CRITERION B.3. Doctoral study results and evaluation procedures

STANDARD B.3.1. Research is valorised by PhD students through presentations at scientific conferences, scientific publications, technology transfer, patents, products, service orders.

B.3.1.1. A minimum of one article or other relevant contribution per doctoral student who has obtained a doctoral degree in the last 5 years must be made available to the evaluation committee for the field evaluated. From this list, the members of the evaluation committee select, at random, 5 such relevant articles/contributions per field of doctoral studies for analysis. The articles thus selected and analysed will be given a rating on the original contribution to the development of the field, on a scale from 1 to 5. At least three articles must reach the threshold of 3.- indicator is fulfilled

The following scientific papers were randomly selected for analysis by the commission:

1. Sorin Morariu, Narcisa Mederle, Corina Badea, Gheorghe Dărăbuș, Nicola Ferrari, Claudio Genchib, The prevalence, abundance and distribution of cyathostomins (small stongyles) in horses from Western Romania, Veterinary Parasitology Volume 223, 15 June Pages 205-209, 2016
2. Cristina, R.T., Kocsis, R; Tulcan, C; Alexa, E; Boldura, OM; Hulea, CI; Dumitrescu, E; Radulov, I; Muselin, F., -Protein structure of the venom in nine species of snake: from biocompounds to possible healing agents, Braz J Med Biol Res., SCIELO -BRAZIL53(1): e9001, 7 pages, 1414-431X, WOS: 000509688600001, 2020.
3. Florin Ș. Hora, Gheorghe Dărăbuș, Corina Badea, Ovidiu Mederle, Narcisa Mederle, Epidemiological, clinical and therapeutic aspects of the infestation with Trichophyton spp. (fungi: Eurotiomycetes: Arthrodermataceae). Scientia parasitologica, volume 16. Issue (1-2):28-32, 2014
4. Cucerzan, A.; Imre, K. ; Morar, A. ; Csiszter, L. T. ; Tîrziu, E. Comparative research on the efficacy of oclacitinib and of methylprednisolone in dogs with allergic dermatitis., Journal article : Lucrari Stiintifice -Universitatea de Stiinte Agricole a Banatului Timisoara, Medicina Veterinara Vol.53 No.1 pp.15-27 ref.16ISSN : 1221-5295, 2020
5. D. C.Mitrică Măracine1 , Virgilia Popa2 , Liliana Teslici 1 , Ionica Iancu The frequence of some viral diseases in broiler farms Lucrări științifice Medicină Veterinară vol. Li(4), Timișoara, 2018

Recommendation: The indicator is met, but it is recommended to both increase the number of scientific articles resulting from the doctorate and their quality. A small number of co-authors from abroad proves the low level of internationalization of the University and the Doctoral School. Conducting research and preparing publications with experts from around the world would increase the visibility of the University in the international arena.

**B.3.1.2. The ratio of the number of presentations of doctoral students who have completed their doctoral studies during the evaluated period (last 5 years), including poster presentations, exhibitions, made at prestigious international events (held in the country or abroad) to the number of doctoral students who have completed their doctoral studies during the evaluated period (last 5 years) is at least equal to 1. - indicator is fulfilled*

STANDARD B.3.2. *The Doctoral School uses a significant number of external scientific referees in the committees for the public defense of doctoral theses.*

**B.3.2.1. The number of doctoral theses assigned to a particular supervisor from a higher education institution other than the evaluated UDSOI must not exceed two (2) for theses coordinated by the same doctoral supervisor in one year.- indicator is fulfilled*

**B.3.2.2. The ratio between the number of doctoral theses assigned to a given scientific advisor from a higher education institution other than the one where the doctoral thesis is organised and the number of doctoral theses defended in the same doctoral field in the doctoral school must not be higher than 0.3, in relation to the situation recorded in the last five years. Only those doctoral fields in which at least ten doctoral theses have been defended in the last five years are analysed.- indicator is fulfilled*

CRITERION C. QUALITY MANAGEMENT

STANDARD C.1.1. *The institutional framework exists and policies and procedures are applied for relevant internal quality assurance*

C.1. Existence and regular operation of the internal quality assurance system

C.1.1.1. The institutional framework is in place and a procedure for monitoring internal quality assurance and relevant internal quality assurance policies are in place.

a) scientific activity of PhD supervisors

b) infrastructure and logistics necessary for the research activity

c) the procedures and subsequent rules on the basis of which doctoral studies are organized

d) scientific activity of doctoral students

e) advanced degree-based training programme for doctoral students

indicator is fulfilled

**C.1.1.2. Feedback mechanisms from doctoral students are implemented during the doctoral training period to identify their needs as well as their overall level of satisfaction with the doctoral programme in order to continuously improve the academic and administrative processes. - indicator is fulfilled*

CRITERION C.2.: Transparency of information and accessibility to learning resources

STANDARD C.2.1. *Information of interest to doctoral students, future candidates and information of public interest is available for consultation in electronic format.*

(i) links to abstracts of doctoral theses to be defended publicly, as well as the date, time, place where they will be defended, at least 20 days before the defense.

indicator is fulfilled

C.2.1.1. The doctoral school, through UDSOI, publishes on the website of the organising institution, in compliance with general data protection regulations, information such as:

- (a) regulations of the doctoral school;
- (b) admission regulation;
- (c) doctoral studies contract;
- (d) regulations for the completion of studies including the procedure for the public defence of the thesis;
- (e) content of study programmes;
- (f) the scientific profile and thematic areas/research themes of the PhD supervisors in the field, as well as their institutional contact details;
- (g) the list of doctoral candidates in the field with basic information (year of registration; supervisor);
- (h) information on the standards for writing the doctoral thesis;
- (i) links to abstracts of doctoral theses to be publicly defended, as well as the date, time, place where they will be defended, at least 20 days before the defence.

STANDARD C.2.2. UDSOI/Doctoral School provides doctoral students with access to the resources necessary to carry out their doctoral studies.

C.2.2.1. All doctoral students have free access to an academic database/library platform for the fields of organised doctoral studies. - indicator is fulfilled

C.2.2.2. Each doctoral student has access, upon request and with the consent of the doctoral supervisor, to an electronic system for checking the degree of similarity with other existing scientific or artistic creations.- indicator is fulfilled

C.2.2.3. All doctoral students have access to scientific research laboratories or other facilities depending on the specific field(s) of the doctoral school, according to internal rules.- indicator is fulfilled

CRITERION C.3. Level of internalisation

STANDARD C.3.1. A strategy exists, and is implemented, to increase the internationalisation of doctoral studies

**C.3.1.1. The evaluated field of study, through UDSOI, has mobility agreements with foreign universities, research institutes, companies working in the field of study, aimed at the mobility of doctoral students and teaching staff (e.g. ERASMUS agreements for doctoral studies). At least 35% of doctoral students have completed a training period abroad or another form of mobility, such as participation in international scientific conferences. - indicator is fulfilled*

Recommendation: Despite the fact that the indicator has been met, it is recommended to increase the number of internships and exchanges of doctoral students as a part of international cooperation.

C.3.1.2. In The organisation of international cotutelle PhDs, i.e. inviting leading experts to give lectures/lectures to PhD students, is supported within the field of study evaluated, including financially.- indicator is fulfilled

It is recommended to:

- introduce clear rules and enabling PhD theses with foreign co-supervisors as well as searching for the possibility of co-conducting doctoral students from other foreign universities
- invite foreign lecturers to co-conduct classes for PhD students
- increase the recognition of supervisors from DSVM on the international arena by supporting the mobility of employees and their visits at foreign universities
- encourage supervisors to enter into partnership programs with prestigious international research centers in order to implement the mobility of Erasmus + doctoral students

C.3.1.3. The internationalisation of doctoral study activities is supported by specific measures (e.g. participation in educational fairs to attract international doctoral students; inclusion of international experts in doctoral thesis supervision or dissertation committees, etc.).- indicator is fulfilled

Recommendation: It is recommended to increase the internationalization activities in doctoral studies by involving international experts in the committees for the management or defense of doctoral dissertations and by attracting international doctoral students.

IV. SWOT analysis

Strengths: <ul style="list-style-type: none"> - the SDMV tradition from Timișoara - an excellent staff of renowned scientists with international achievements - teachers with a high level of professional qualification - staff involved in the development of SDMV and the support of doctoral students; - support for doctoral students to carry out interdisciplinary research; - support offered by the doctoral supervisors to the doctoral students in order to carry out researches in international and national research centers; - high degree of applied research - the increased number of doctoral students with a fee, which shows the interest given by doctoral students for SDMV T. - the financial support of some doctoral students from the income of the veterinary clinics 	Weaknesses: <ul style="list-style-type: none"> - insufficient funds for PhD students - a slight degree of internationalization of the doctoral school - Lack of own budget of SDMV and FMV - Small number of doctoral supervisors - overload of some doctoral students with didactics
Opportunities: <ul style="list-style-type: none"> - existence of a modern research center within USAMVBT - young teachers, with great perspective for future skills 	Threats: <ul style="list-style-type: none"> -Lack of international opening -Lack of own combativeness -Small number of budgeted places / year

V. Summary of ratings and recommendations

Crit No	Indicator type (*, IPC)	Performance indicator	Qualification	Recommendation
1	IPC	Indicator A.1.1.1.	fulfilled	
2	IPC	Indicator A.1.1.2	fulfilled	
3	IPC	Indicator A.1.2.1	fulfilled	
4	IPC	Indicator A.1.2.2	fulfilled	
5	IPC	Indicator A.1.3.1	fulfilled	
6	IPC	Indicator A.1.3.2	fulfilled	
7	*	Indicator *A.1.3.3	fulfilled	
8	IPC	Indicator A.2.1.1	fulfilled	
9	IPC	Indicator A.3.1.1	fulfilled	
10	*	Indicator *A.3.1.2	fulfilled	
11	IPC	Indicator A.3.1.3	fulfilled	
12	*	Indicator *A.3.1.4	fulfilled	
13	IPC	Indicator A.3.2.1	fulfilled	
14	*	Indicator *A.3.2.2	fulfilled	
15	IPC	Indicator B.1.1.1	fulfilled	The improvement of the aforementioned indicators can be achieved by proposing to graduates

				to conduct interdisciplinary research in the field of broadly understood natural sciences which will allow graduates of various faculties to apply.
16	*	Indicator *B.1.2.1	fulfilled	
17	IPC	Indicator B.1.2.2	fulfilled	
18	IPC	Indicator B.2.1.1	fulfilled	
19	IPC	Indicator B.2.1.2	fulfilled	
20	IPC	Indicator B.2.1.3	fulfilled	
21	IPC	Indicator B.2.1.4	fulfilled	
22	IPC	Indicator B.2.1.5	fulfilled	
23	IPC	Indicator B.3.1.1	fulfilled	The indicator is met, but it is recommended to both increase the number of scientific articles resulting from the doctorate and their quality. A small number of co-authors from abroad proves the low level of internationalization of the University and the Doctoral School. Conducting research and preparing publications with experts from around the world would increase the visibility of the University in the international arena.
24	*	Indicator *B.3.1.2	fulfilled	
25	*	Indicator *B.3.2.1	fulfilled	
26	*	Indicator *B.3.2.2	fulfilled	
27	IPC	Indicator C.1.1.1	fulfilled	
28	IPC	Indicator C.1.1.2	fulfilled	
29	IPC	Indicator C.2.1.1	fulfilled	
30	IPC	Indicator C.2.2.1	fulfilled	
31	IPC	Indicator C.2.2.2	fulfilled	
32	IPC	Indicator C.2.2.3	fulfilled	
33	*	Indicator *C.3.1.1	fulfilled	Despite the fact that the indicator has been met, it is recommended to increase the number of internships and exchanges of doctoral students as a part of international cooperation.
34	IPC	Indicator C.3.1.2	fulfilled	
35	IPC	Indicator C.3.1.3	fulfilled	It is recommended to increase the internationalization activities in doctoral studies by involving international experts in the committees for the management or defense of doctoral dissertations and by attracting international doctoral students.

VI. General conclusions and recommendations

This report represents the international expert evaluation report of the Doctoral School of Veterinary Medicine, UDSOI VMDST Timisoara. Within this evaluation, the description and analysis of the main performance indicators aimed at the three important parameters of institutional development were made, namely: institutional capacity (A), institutional effectiveness (B) and quality management (C).

The objectives and the scientific mission proposed by VMDST are very clear and objective and consist in ensuring and developing the necessary framework to increase the quality of doctoral study programs, giving a major importance to the role of advanced scientific research in training young people.

The topic of scientific research approached by the research teams within VMDST addressing topics of great relevance both in the area of fundamental and applied research, in the three major directions: basic sciences; clinical sciences and public health and food safety.

Following the description and analysis of these main indicators, the following general assessments regarding were reached:

- the doctoral studies in the field of Veterinary Medicine are well structured and have an adequate research infrastructure
- doctoral supervisors with expertise in the field, as well as young researchers have potential to provide doctoral students with a good training in this scientific field
- employers shows a high level of satisfaction with the quality of graduates of doctoral studies in Veterinary Medicine

Weak point:

- Degree of internationalization of doctoral studies.

Recommendation:

- to develop a specific strategic plan at IOSUD level, with sufficient economic and institutional support.
- to stimulate doctoral students for the development of research projects with the private environment to increase research funding
- to increase the degree of internationalization of doctoral research by stimulating doctoral students on accessing international grants and participation in research activities in international teams