



## External evaluation report for the setting up (establishment) of a doctoral study domain

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## I. Introduction<sup>1</sup>

This chapter will contain a brief presentation of:

- the context in which this external evaluation report was drafted (**the type of evaluation, the period of the evaluation visit, the composition of the Experts Panel** etc.);

Evaluation of the field of doctoral studies – Biology (SDB), Western University "Vasile Goldiș" in Arad (UVVG).

Type of assessment: on-site

The evaluation visit took place from July 31 to August 02, 2023. On the agenda of the visit were the evaluation activities, shown in the *Annex 1*.

The Evaluation Panel appointed by ARACIS for the Biology Doctoral Study Domain was composed of four experts:

- **Prof. Dr. Dragoș-Lucian GORGAN** ("Alexandru Ioan Cuza" University from Iasi) – Coordinator;
- **Prof. Dr. Roman VOLKOV** ("Yuriy Fedkovych" Chernivtsi National University, Ukraine) - International expert;
- **Prof. Dr. Diana CUPȘA** (University of Oradea);
- **PhD student: Bianca CERNUȘCĂ** (West University of Timișoara)

- details about the doctoral school(s) of which the doctoral domain under review will be part (number of doctoral advisors, number of students, institutional context, short history etc.);

The Doctoral School of Biology (SDB) is part of IOSUD – UVVG, as a distinct doctoral school, established by Order of the Minister of Education and Research no. 5199/21.09.2009 with a single scientific field - BIOLOGY.

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<sup>1</sup> When applicable, gendered information will be presented as well.



IOSUD-UVVG affiliated the two Doctoral Schools of Medicine and Biology to the Doctoral Studies Council of the Association of European Universities (CDE-EUA) since 2009.

Starting from December 2015, IOSUD-UVVG affiliated the Doctoral Schools of Medicine and Biology to 4 doctoral research networks CEEPUS (Central European Exchange Program for University Studies).

SDB mission. The training of doctoral students through the acquisition of advanced knowledge, skills and scientific research skills in the field of biological sciences that lead to the building of successful careers in scientific research specific to the field on a national and international level.

- details about the doctoral study domain under review (institutional context);

The cycle of doctoral university studies in the field of biology lasts 6 semesters (3 years) and has 2 components:

- Advanced training program lasting one semester - 30 ECTS credits,
- The scientific research program lasting 5 semesters, completed with the defense of the doctoral thesis.

The curriculum includes mandatory subjects, which provide doctoral students with a unified vision in approaching scientific research in the doctoral field and, respectively, management skills of scientific research projects, the valorization of scientific results, the ethics of scientific research and notions of biostatistics. The preparation also includes specialized conferences, specific optional trainings that are mentioned in the individual training plans of the doctoral students.

Initially, SDB was established with 2 doctoral supervisors, and then their number increased, organizing 2 qualifications in the field of Biology and recognition of qualifications from abroad. Currently, there are 4 doctoral supervisors in the doctoral school.

In the year 2022 - 2023, 8 doctoral students were enrolled, and in the period 2010 - 2021, 33 students completed their doctoral studies.



## II. Methods used

This chapter will cover the methods and tools used in the external evaluation process before and during the evaluation visit, including at least:

- Review of the Internal evaluation report for the doctoral study domain under review and its annexes;

Immediately after receiving the external evaluation document, it was analyzed together with the annexes and clarifications were subsequently requested.

- Review of the documents provided by the IOSUD in physical format during the evaluation visit (if such documents were requested);

IOSUD made available to the evaluation committee the entire file containing the internal evaluation report and related Annexes.

- Review of the documents, data and information available on the website of the IOSUD/the Doctoral School(s), in electronic format;

All documents from the website of IOSUD and the Doctoral School of Biology were analyzed. All documents can be found on the institution's website, and the informative nature of this website, with all the aspects provided by the indicators, is fully realized (<https://www.uvvg.ro/i-o-s-u-d/scoala-doctorala-de-biologie/>).

- Visiting the buildings of the institution, including (an indicative and non-exhaustive list, may change according to the context): classrooms; laboratories; the institution's library; the Career Counselling and Guidance Centre; lecture halls for students; student residences; student cafeteria; sports facilities, etc.;

The visit to UVVG was carried out on July 31 and had as its main objective the visualization and degree of use of the learning-research infrastructure by doctoral students. Lecture halls were visited, as well as all laboratories and research centers where PhD students work. The existence of a new research infrastructure was found, with very well-equipped spaces and equipment that allows advanced studies to be carried out, in accordance with the university's objectives of international competitiveness. Images taken during the visit are presented in the *Annex 2*.

- Meeting/discussions with members of the management of the Doctoral School where the doctoral study domain under review will operate;

Aspects related to the funding of the doctoral school and doctoral students were presented. Following the discussions, the desire of the doctoral coordinators and teaching staff to involve students in research projects, to stimulate research activities and to participate in predominantly international scientific events became apparent.

- Meeting/discussions with doctoral advisors in the doctoral study domain under review;



During the meeting with the supervisors of the doctoral students from the evaluated field, some aspects were highlighted, such as: the access of doctoral students to international databases with special literature and access to anti-plagiarism check programs, the involvement of doctoral students in research projects, as well as a very clear presentation of the rules for the defense of doctoral theses

- Meeting/discussions with representatives of the various structures of the IOSUD/Doctoral School where the doctoral study domain under review is operating: the Council of the Doctoral School, the University Senate, the Board of Directors, the Evaluation and Quality Assurance Commission, the Quality Assurance Department, the Ethics Commission (including with the student representatives of these structures); the Career Counselling and Guidance Centre; student organizations; secretariats; various departments / administrative offices (Social/Student residences-Cafeterias etc.), etc.;

At the University Headquarter, meetings were held with the members of the Ethics Committee, the Evaluation and Quality Assurance Committee and the Doctoral School Council, who promptly responded to the requests of the members of the Evaluation Committee and provided all requested documents.

### III. Analysis of ARACIS's performance indicators

#### Domain A. INSTITUTIONAL CAPACITY

UVVG demonstrates a special institutional capacity for organizing doctoral studies in the field of Biology, confirmed by the existence of specific regulations, methodologies and procedures, of high-performance computer systems used in the management of students and their progress, as well as the verification of the similarity of the works developed, systems to which they have equal access to teaching, administrative staff and students.

#### Criterion A.1. Administrative and managerial institutional structures, and financial resources

Standard A.1.1. The institution organizing doctoral studies (IOSUD) has implemented the effective functioning mechanisms provided for in the specific legislation on the organisation of doctoral studies.

Within the UVVG, the efficient mechanisms for the regulations, methodologies and procedures are implemented.



**Performance indicator A.1.1.1.** The existence of specific regulations and their application at the level of the doctoral school that the doctoral domain is a part of:

a) the internal regulations of the doctoral school;

See: Annex 2 – Regulation of organization and operation of the Doctoral School of Biology – revision 2; Senate decision no. 238/31.10.2019 <https://www.uvvg.ro/i-o-s-u-d/scoala-doctorala-de-biologie/regulamentum-scolii-doctorale-de-biologie/>

b) the methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in the CSD, and evidence that such elections were conducted;

See: Annex 3 – Methodology regarding the process of establishing and electing management structures and positions at the Vasile Goldiș Western University in Arad for the term 2020-2024-rev.1; Senate decision no. 17/02/02/2021; Senate decision no. 31/18.02.2021 regarding the nominal component of the commission for appointing the directors of the Doctoral School of Medicine and Biology, as well as the election of members in the Councils of the Doctoral Schools; Senate decision no. 31/18/02/2021; Documents proving the 2016 elections; Documents proving the 2021 elections

c) methodologies for organising and conducting doctoral studies (admission of doctoral students, completion of doctoral studies);

See: Annex 4 – Methodology for admission to doctoral university studies at the Vasile Goldis Western University in Arad for the academic year 2019-2020; Decisions of the University Senate no. 122/06.07.2016, 45/27.04.2017, 90/04.06.2018, 68/19.03.2019, 146/08.07.2020, 8/02.02.2021

Annex 5 - Methodology for completing doctoral university studies at Vasile Goldis University of West Arad - revision 1; Senate decision no. 195/25.09.2020.

d) existence of mechanisms for recognising the status of a doctoral advisor and the equivalence of a doctoral degree obtained abroad;

See: Annex 6 – Procedure regarding the automatic recognition by the Vasile Goldis Western University of Arad of the quality of doctoral supervisor obtained in accredited university education institutions abroad - revision 1; Senate decision no. 47/27.04.2017.

Annex 7 – Procedure regarding the recognition within the Western Vasile Goldiș University of Arad of the doctoral degree and the title of doctor in sciences or in a professional field, obtained abroad - revision 1; Senate decision no. 46/27.04.2017



e) functional management structures (Council of the doctoral school), including proof of the regular frequency of convening their meetings;

The activity within the Doctoral School of Biology is managed by the Council of the Doctoral School of Biology, which meets regularly (Annex 8 - Centralization of the activity of the Council of the Doctoral School of Biology 2016-2022).

The Council of the Doctoral School of Biology meets at least 3 times a year, at the request of the director of the doctoral school or of at least 2 members of the council and are chaired by the director (Art. 4/Organization and Operation Regulations) <https://www.uvvg.ro/i-o-s-u-d/scoala-doctorala-de-biologie/>

f) the contract for doctoral studies;

The contracts are signed by the doctoral student and the doctoral supervisor; they are approved by the Rector. The latest contract model also includes provisions regarding the protection of personal data and their free circulation according to the provisions of EU Regulation 2016/679 and Law no. 1/2011 of national education (Annex 9 – Framework contract model for doctoral university studies; Senate Decision no. 60/13.03.2020).

g) internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.

The analysis of the structure of the education plan for the advanced university preparation program in the field of Biology with a duration of 1 semester is carried out annually in the CSD and then it is approved in the CSUD and the University Senate (Annex 10 - University Senate Decision no. 198/26.10.2021 regarding the approval of the plan of education PPUA Biology)

*Recommendations:* Upload to the SD site and continuously update all reference documents

**The indicator is fulfilled.**

**Performance indicator A.1.1.2.** The doctoral school's Regulations include mandatory criteria, procedures and standards concerning the aspects specified in art. 17, para. (5) of Government Decision no. 681/2011 on the approval of the Code of Doctoral Studies, as further amended and supplemented.

The Regulations of the Doctoral School of Biology include mandatory criteria, procedures and standards for the aspects specified in art. 17, para. 5 of HG 681 / 2011, which covers the following aspects:



- a. the acceptance of new doctoral supervisor members, as well as regulations regarding the manner in which a doctoral supervisor can be withdrawn as a member of the doctoral school (Art. 19, art. 21 of the Regulation of the Doctoral School of Biology Annex 2);
- b. the mechanisms by which decisions are made regarding the opportunity, structure and content of the training program based on advanced university studies (Art. 11 and 12 of the Regulation of the Doctoral School of Biology Annex 2)
- c. the procedures for changing the doctoral supervisor of a certain doctoral student and the procedures for mediating conflicts (Art. 25 and 34 of the Regulation of the Doctoral School of Biology Annex 2);
- d. the conditions under which the doctoral program can be interrupted (Art. 23 of the Regulation of the Doctoral School of Biology Annex 2);
- e. ways to prevent fraud in scientific research, including plagiarism (art. 35, 36, 37, 38, 39, 40, 41, 42 of the Regulation of the Doctoral School of Biology Annex 2);
- f. ensuring access to research resources (Art. 22 of the Regulation of the Doctoral School of Biology Annex 2);
- g. the attendance obligations of doctoral students, according to a methodology developed by the Ministry of Education (Art. 22 of the Regulation of the Doctoral School of Biology Annex 2);

**The indicator is fulfilled.**

**Standard A.1.2. The IOSUD has the necessary logistic resources to carry out the mission of the doctoral studies.**

IOSUD has an adequate computer system both for the record of students enrolled in doctoral studies and for checking the degree of similarity of doctoral theses.

**Performance indicator A.1.2.1.** The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.

The records of doctoral students are made through the "Academis" computer system, which includes the efficient management of school record information as well as the obtaining of relevant synthetic information on the didactic process. Doctoral students can consult online, based on the CNP, the status of their academic course (Annex 11 – Academis IT system service contract).

*Recommendations:* There are no recommendations

**The indicator is fulfilled.**

**Performance indicator A.1.2.2.** The existence and use of an appropriate software and evidence of its use to verify the percentage of similarity in all doctoral theses.





The verification of the percentage of similarity of the doctoral theses is carried out by the computer program sistemantiplagiat.ro provided by SC Plagiat-Sistem Antiplagiat via Internet SRL (Annex 12 - Contract for the services of computer program "Anti-plagiarism system"). All publicly defended theses have been checked in this computer program and students have the opportunity to check their thesis chapters as they prepare them (Appendix 13 – Centralizer for checking the similarity percentage of doctoral theses in the field of Biology).

*Recommendations:* There are no recommendations

**The indicator is fulfilled.**

## Criterion A.2. Research infrastructure

Standard A.2.1. The IOSUD has a modern research infrastructure to support the performance of specific doctoral study activities.

**Performance indicator A.2.1.1.** The venues and the material equipment available to the doctoral school enable the research activities in the evaluated domain to be carried out, in line with the assumed mission and objectives (computers, specific software, equipment, laboratory equipment, library, access to international databases etc.). The research infrastructure and the provision of research services are presented to the public through a specific platform. The research infrastructure described above, which was purchased and developed within the past 5 years will be presented distinctly.

In the Vasile Goldiș University Campus (Arad, Str. L. Rebreanu 86) there are logistical resources made available to IOSUD-UVVG, represented by: 2 offices, a meeting room, report presentation rooms for doctoral students (C7), lecture theaters (B4, B5 , each with 150 seats), computer rooms (A23 - the library with free access to computers for accessing scientific databases - 20 computers; A26 and A27 - each with 35 computers) where the practical training of the doctoral students is carried out in the use of electronic databases and the practical part of the biostatistics discipline, the conference room (100 seats) for public defenses of doctoral theses also provided with a videoconference system. In this sense, the Clickmeeting videoconference platform is used, to which the university is subscribed, which allows online meetings of the meet or webinar type with up to 200 participants, without limiting the duration. This system allows the application of surveys or polls.

The university has numerous laboratories equipped with state-of-the-art equipment to which students enrolled at all levels of studies have access - the "Aurel Ardelean" Institute of Life Sciences, established in 2008 (HS no. 81/12.04.2008) and accredited by the Academy of Medical Sciences, which is an interdisciplinary research unit, structured in 3 departments – Experimental and applied biology, Biotechnologies, Ecology/ecotoxicology



and environmental protection. The laboratory animal biobase is an authorized research infrastructure for breeding and running experiments on laboratory animals (Veterinary Sanitary Authorization no. 1475/15.04.2021). The technological flow throughout the building is adapted to national and European sanitary-veterinary requirements (temperature, humidity, light/dark cycle), technological separation of clean areas from sanitation spaces, ventilation and exhaust systems equipped with HEPA filters ([http://erris.gov.ro/animal\\_facility-ILS-UVVG](http://erris.gov.ro/animal_facility-ILS-UVVG)).

In the "Vasile Goldiș" University Campus (Str. L. Rebreanu 86) there are 2 sections of the University Library that include courses, atlases, treatises, monographs, dictionaries and encyclopedias, in a free shelf access system, i.e., the Medical Library and the Library of the Institute of Sciences Lives.

Currently, doctoral students have electronic access to the related scientific literature of 5 databases: ScienceDirect FreedomCollection, Elsevier; SpringerLink Journals, Springer; Web of Knowledge, ClarivateAnalytics; Wiley Journals; Nature Journals and 2 platforms with e-books: De Gruyter e-books (2855 e-books from all fields) and CAB e-books (240 e-books) (Annex 14 – Subsidiary contract for the realization of the financing contract no. 1/axis 1 /18.07.2017 in order to implement the project "National Electronic Access to Scientific Literature for the Support of the Romanian Research and Education System - Anelis+2020"; Subsidiary Contract no.1/07.05.2023 AnelisPlus 2023)

*Recommendations:* the continuation of the endowment and purchase of equipment, consistent with the diversification of research directions.

**The indicator is fulfilled.**

### Criterion A.3. Quality of human resources

Standard A.3.1. For each domain, there is qualified staff having the experience required for carrying out the doctoral program.

**Performance indicator A.3.1.1.** Minimum three doctoral thesis advisors work within that doctoral domain, and at least 50% of them (but no less than three) meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU) in force at the time when the evaluation is carried out, which standards are required and mandatory for obtaining the enabling certification.

Out of a total of 4 doctoral supervisors, 3 (75%) meet the CNATDCU minimum standards in force at the time of the evaluation, necessary and mandatory for obtaining the qualification certificate (cf. Order no. 6129/2016, annex 19).

The verification sheets regarding the fulfillment of the CNATDCU minimum standards in force for each doctoral supervisor can be found in the annex (Annex 17 - The verification sheets of the doctoral supervisors regarding the fulfillment of the minimum necessary and



mandatory standards of the CNATDCU for obtaining the qualification certificate according to Order no. 6129/ 2016 annex 19; Centralizer).

*Recommendations:* Encouraging young university teachers / researches to take the qualification exam and join the doctoral school.

**The indicator is fulfilled.**

**Performance indicator\* A.3.1.2.** At least 50% of the doctoral advisors in the doctoral domain under review are tenured professors within the IOSUD and have a full-time employment contract for an indefinite period.

Within the University Field of Doctorate Studies in Biology, 75% (i.e., 3 doctoral supervisors) of the doctoral supervisors are tenured within IOSUD, (Annex 18 – Documents proving tenure of doctoral supervisors Biology Field in IOSUD UVVG: Centralizer; Decision no. 253 /20.12.2010, Decision 210/08.10.2015, Authorization order no. 4922/18.08.2015, Decision no. 100/16.11.2016, Authorization order 4873/11.08.2016, Decision no. 42/25.02.2013, CNRED certificate no. 61004 /17.01.2013).

For one of the doctoral supervisors, the maintenance of the title holder quality is renewed annually by the Decision of the Senate of the University of West Vasile Goldiș in Arad, according to its own Methodology for maintaining the title holder quality in education and research (Annex 19 - Documents proving the annual maintenance of the title holder quality of PhD in Biology Field in IOSUD-UVVG: Senate Decision no. 132/27.09.2022; MECTS Order no. 4224/15.06.2010; Centralizer).

*Recommendations:* There are no recommendations

**The indicator is fulfilled.**

**Performance indicator A.3.1.3.** The study subjects in the education program based on advanced higher education studies pertaining to the doctoral domain are taught by teaching staff or researchers who are doctoral thesis advisors / certified doctoral thesis advisors, professors / CS I or associate professors / CS II, with proved expertise in the field of the study subjects they teach, or other specialists in the field who meet the standards established by the institution in relation with the aforementioned teaching and research functions, as provided by the law.

The teaching staff who support the subjects of the preparation program for advanced university studies in the field of Biology with a duration of 1 semester are professors and university lecturers who meet the standards established by the institution for the teaching and research functions mentioned above, under the conditions of the law (Annex 20 - Cadre Centralizer didactic that support the subjects in the preparation program for advanced university studies related to the Biology Field).



*Recommendations:* stimulating young teaching staff to promote to the positions of lecturer and university professor and to support the qualification in the field of Biology.

**The indicator is fulfilled.**

Standard A.3.2. The doctoral advisors within the doctoral domain are carrying out a scientific activity that is visible at international level.

**Performance indicator A.3.2.1.** At least 50% of the doctoral thesis advisors in the evaluated domain have at least 5 Web of Science- or ERIH-indexed publications in magazines of impact, or other achievements of relevant significance for that domain, including international-level contributions that indicate progress in scientific research - development - innovation for the evaluated domain. The aforementioned doctoral thesis advisors enjoy international visibility within the past 5 years, consisting of: membership on scientific boards of international publications and conferences; membership on boards of international professional associations; guests in conferences or expert groups working abroad, or membership on doctoral commissions at universities abroad or co-leading with universities abroad. For Arts and Sports and Physical Education Sciences, doctoral thesis advisors shall prove their international visibility within the past 5 years by their membership on the boards of professional associations, membership in organising committees of arts events and international competitions, membership on juries or umpire teams in artistic events or international competitions.

All PhD supervisors (100%) have a minimum of 5 Web of Science indexed publications in journals with an impact factor (Appendix 21 – CVs of PhD Supervisors in the Field of Biology).

**Prof. Krizbai Istvan** – Indexed publications WoS:132, ISI Articles: 97, Number of citations 3451 (Web of Science) and 5551 (Google Scholar), Hirsch index: 33 (Web of Science) and 41 (Google Scholar).

Member of professional associations: Federation of European Neuroscience Societies (FENS), Hungarian Neuroscience Society, International Brain Research Organization, International Brain Barriers Society

Member of the boards of national/international journals: Biological Procedures Online, Acta Neurobiologie Experimentalis and Tissue Barriers.

**Prof. Hermenean Anca** – Indexed publications WoS: 146, ISI Articles: 111, Number of citations 2011 (Web of Science) and 3179 (Google Scholar), Hirsch index: 25 (Web of Science) and 32 (Google Scholar)

Member of professional associations: Romanian Society of Cellular Biology, National Society for Normal and Pathological Morphology, Association of Environmental Health and Protection of DKMT Euroregion, Association for Multidisciplinary Research in Western Romania (ACM-V Romania)



Member of the boards of national/international journals: Annals of the National Society for Cell Biology; Studia Universitatis Vasile Goldis, Life Science Series; Histology and Histopathology Research (Pulsus Publishing House)

**Prof. Wilhelm Imola** – Indexed Publications WoS:64, ISI Articles: 59, Number of Citations 1650 (Web of Science) and 2985 (Google Scholar), Hirsch Index: 22 (Web of Science) and 30 (Google Scholar)

Member of professional associations: Hungarian Neuroscience Society, International Brain Research Organization, International Brain Barriers Society

Member of the boards of national/international journals: International Journal of Brain Science

**Prof. Bratosin Daniela** – Indexed publications WoS: 30, ISI Articles: 27, Number of citations 1183 (Web of Science), Hirsch index: 14 (Web of Science).

Member of professional associations: Cytometry Association from Romania, Romanian Society of Biochemistry and Molecular Biology, Société Française de Biochimie et Biologie Moléculaire, Association Française de Cytometry

*Recommendations:* Continue publishing in journals with the highest possible impact factor, which confers increased visibility

**The indicator is fulfilled.**

**Performance indicator \* A.3.2.2.** At least 50% of the doctoral thesis advisors in a specific doctoral study domain continue to be active in their scientific field, and acquire at least 25% of the score requested by the minimal CNATDCU standards in force at the time of the evaluation, which are required and mandatory for acquiring their enabling certificate, based on their scientific results within the past 5 years.

A percentage of 75% of the doctoral supervisors in the Biology Field meet the CNATDCU minimum standards in force on the evaluation date, necessary and mandatory for obtaining the habilitation certificate, based on the scientific results of the last five years (Appendix 22 - Verification sheets of the doctoral supervisors regarding the fulfillment of the minimum necessary and mandatory standards of CNATDCU for obtaining the qualification certificate according to Order no. 6129/2016 annex 19 with the activity of the last 5 years; (Score centralizer according to Order no. 6129/2016 annex 19 with the activity of the last 5 years)

*Recommendations:* There are no recommendations

**The indicator is fulfilled.**



## Domain B. EDUCATIONAL EFFECTIVENESS.

Within the IOSUD UVVG in Arad, special attention is paid to educational effectiveness so that at the end of the doctoral studies the graduates are placed in the field of work according to the qualification obtained.

Criterion B.1. The number, quality and diversity of the candidates enrolled for the admission contest

Standard B.1.2. Candidates admitted to doctoral studies demonstrate academic, research and professional performance.

The academic, research and professional performance criteria that form the basis of the admission process, are specified in the Regulations for admission to doctoral university studies.

**Performance indicator\* B.1.2.1.** Admission in the doctoral study programmes is based on selection criteria including the academic, research and professional performance of the candidates; their interest for scientific or artistic/sports research; publications in the domain, and a proposal of a research subject. Interviewing the candidate is mandatory as part of the admission procedure.

Admission to the studies is done taking into account the academic performance of the candidates, the regulation establishes the obligation of the candidates to have completed their bachelor's and master's studies with a minimum average of 8 (eight). Admission consists of a specialized written test and an interview. The methodology includes information on the creation of the admission file, the conduct of the competition, appeals, the registration of doctoral candidates, the calendar of the admission competition.

*Recommendations:* updating the Admission Methodology in accordance with the provisions of Law 199/2023.

**The indicator is fulfilled.**

Criterion B.2. The content of the doctoral programs

Standard B.2.1. The training program based on advanced academic studies is appropriate to improve the doctoral students' research skills and strengthen ethical behaviour in science.

The training program based on advanced university studies within the Doctoral School of Biology of the Western University V. Goldiș in Arad, is structured in accordance with the



normative requirements in force and is adequate to improve the research skills of doctoral students and to strengthen ethical behavior in science.

**Performance indicator B.2.1.1.** The training program based on advanced academic studies includes at least 3 disciplines relevant for the scientific research training of doctoral students, out of which at least one discipline focuses on the in-depth study of research methodology and/or statistical data processing.

The training program based on advanced university studies includes 4 compulsory and 2 optional subjects, among which one is for the study of Scientific Research Methodology and one for statistical processing of experimental data. 30 credits are awarded for completing this stage of training.

*Recommendations:* the creation of an Education Plan in which the activities related to the 6 semesters of doctoral studies are credited, namely: PPUA in the first semester, the presentation of the Research Project and reports in the 2-4 semesters and the dissemination of the results through conferences, publications, etc. in semesters 5-6.

**The indicator is fulfilled.**

**Performance indicator B.2.1.2.** At least one discipline is dedicated to ethics in scientific research and intellectual property, or there are well-defined topics on these subjects within a discipline taught in the doctoral program.

In the content of the training program based on advanced university studies, there is a discipline called “Ethics of scientific research” that addresses topics specific to biological and biomedical disciplines.

*Recommendations:* There are no recommendations

**The indicator is fulfilled.**

**Performance indicator B.2.1.3.** The IOSUD has the mechanisms in place to ensure that the academic training program based on advanced higher education studies related to the evaluated domain addresses the “learning outcomes”, specifying the knowledge, skills, and the responsibility and autonomy that doctoral students should acquire after completing each discipline or through the research activities<sup>2</sup>.

There are assessment mechanisms within the Western V. Goldiș University of Arad that ensure that the academic training program (disciplines and research activities) addresses the learning outcome, including adequate knowledge, laboratory skills, responsibility and

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<sup>2</sup> Or by what the graduate should know, understand and be able to do, according to the provisions of the Methodology for the listing and registration of higher education qualifications in the National Register of Qualifications in Higher Education (RNCIS) approved by the Order of the Minister of National Education no.3475/2017 with subsequent amendments and additions.





autonomy of PhD students. The subject sheets provided in the PPUA refer to the knowledge, abilities/skills, professional and transversal skills, autonomy acquired by the doctoral students following the training program.

The competences provided by doctoral university studies (professional and transversal) can be found in the Regulation on the organization and operation of SDB/SDM Art.16 (paragraphs 1-3).

*Recommendations:* it is recommended to introduce more recent bibliographic titles in the Subject Sheets, as well as to quantify a credit with a number of 25 hours of study.

**The indicator is fulfilled.**

## DOMAIN C. QUALITY MANAGEMENT

At Vasile Goldiș Western University in Arad, there is a functional quality management system.

Criterion C.1. Existence and periodic implementation of the internal quality assurance system

Standard C.1.1. The institutional framework is in place, and policies and procedures are applied for the internal assurance of the relevant quality.

There is an institutional framework, procedures in place and relevant internal quality assurance policies applied to monitor internal quality assurance.

**Performance indicator C.1.1.1.** The doctoral school to which the doctoral study domain belongs demonstrates that the internal evaluation and quality assurance process of the study domain is carried out constantly, according to a procedure developed and applied at the level of the IOSUD, including an evaluation of the following mandatory criteria:

- a) the scientific work of doctoral advisors;
- b) the infrastructure and logistics needed for carrying out the research activity;
- c) the regulations and procedures based on which doctoral studies are organised;
- d) the scientific activity of doctoral students;
- e) the training program based on advanced higher education studies of doctoral students;
- f) social and academic support services (including for participation in various events, publishing papers, etc.) and counselling services available for the doctoral students.

The method of internal evaluation of the quality of the doctoral study program is carried out annually. The evaluated aspects are specified in the Regulation on the organization





and operation of the Doctoral School of Biology, Chapter X - Internal and external evaluation and monitoring.

The internal evaluation procedures are developed by the CSUD. They aim to:

- a. the mission and objectives of the doctoral university study program;
- b. the content and curriculum of the doctoral university study program;
- c. the compatibility of the doctorate university study program with the description of the qualification;
- d. the research results undertaken by doctoral students and their doctoral supervisors, materialized through publications, patents, participation in scientific events;
- e. cooperation relations with other institutions;
- f. the existence of the means of documentation, learning and research, as well as the logistics benefiting doctoral students;
- g. the staff involved in the development of the doctorate university studies program;
- h. the methods of evaluating the knowledge and testing the abilities of doctoral students, as well as tracking the progress during the training;
- i. the degree of involvement of doctoral students in ensuring the quality of the doctoral university study program;
- j. the existence of an ethical code with clear provisions regarding the definition and sanctioning of various academic and professional frauds, including plagiarism;
- k. fulfilling the specific requirements of the external evaluation indicators of doctoral university study programs.

The evaluation of the activity of doctoral students is predominantly oriented towards the results of the research activity. The results obtained are taken into account: publications, participation in conferences, patents and patents and their quality, estimated by the integration of publications in the international flow, citations, awards, etc.

The internal evaluation of the titular doctoral supervisors takes into account in particular the quality of the results obtained by them in research and in the management of doctoral students, aiming at:

- a. the results of the doctoral supervisor's scientific research (publications, patents and other ways of capitalizing on one's own research activity);
- b. the results of the scientific research of the doctoral students led by the doctoral supervisor (publications, patents and other ways of capitalizing on the research activity of the doctoral students);
- c. other indicators of the scientific activity of the PhD supervisor (participation in research projects, participation in national and international conferences, membership in professional organizations);
- d. other indicators of the scientific activity of doctoral students led by the doctoral supervisor (participation in research projects, participation in national and international conferences, membership in professional organizations).

*Recommendations:* There are no recommendations



**The indicator is fulfilled.**

**Performance indicator\* C.1.1.2.** Mechanisms are implemented during the doctoral study program to enable identification of the doctoral students' needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.

Within the Doctoral School of Biology, in order to identify the level of satisfaction of doctoral students with the doctoral program, a questionnaire was prepared that evaluates the satisfaction of doctoral students regarding doctoral studies (Annex 25 - Questionnaire of satisfaction regarding university doctoral studies within IOSUD-UVVG). Also, students are questioned on the quality of the advanced training program (Annex 26 – Questionnaire on the quality of the PPUA advanced training program).

*Recommendations:* consistent application of the questionnaire and implementation of the Action Plan.

**The indicator is fulfilled.**

## Criterion C.2. Transparency of information and accessibility of learning resources

Within the IOSUD Universitatea de Vest V. Goldiș in Arad there are strategies and policies to ensure the transparency of information and accessibility to learning resources.

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

Information of interest to doctoral students, future candidates and information of public interest is available for consultation on the university's website (<https://www.uvvg.ro/i-o-s-u-d/>).

**Performance indicator C.2.1.1.** Subject to compliance with the data protection regulations in force, the IOSUD publishes the following types of information on the website of the higher education institution:

- a) the regulations of the doctoral school;
- b) the admission regulations;
- c) the doctoral study contract;
- d) the study completion regulation including the procedure for the public presentation of the thesis;
- e) the content of the training programs based on advanced academic studies;



- f) the academic and scientific profile, thematic areas/research themes of the doctoral advisors within the domain, as well as their institutional contact data;
- g) the list of doctoral students in the domain concerned, with basic information (year of enrolment; advisor);
- h) information on the standards for developing the doctoral thesis;
- i) links to the summaries of the doctoral theses to be presented publicly, as well as the day, time and place where they will be presented, at least 20 days before the presentation.

On the university's website (<https://www.uvvg.ro/i-o-s-u-d/>) information is presented regarding: the regulations of the Doctoral School of Biology, the conduct of university doctoral studies, the admission regulations, the completion of the doctorate, public support, graduates with doctoral degree, doctoral supervisors, qualification process, research infrastructure, post-doctorate.

*Recommendations:* Presentation of information on the website also in English, to facilitate the attraction of foreign PhD students.

**The indicator is fulfilled.**

[Standard C.2.2. The IOSUD / Doctoral School provides doctoral students with access to the resources needed for conducting doctoral studies.](#)

IOSUD Western V. Goldiș University in Arad provides doctoral students with access to the resources necessary to carry out their doctoral studies.

[Performance indicator C.2.2.1.](#) All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.

PhD students have free electronic access to the related scientific literature of 5 databases: ScienceDirect FreedomCollection, Elsevier; SpringerLink Journals, Springer; Web of Knowledge, ClarivateAnalytics; Wiley Journals; Nature Journals and 2 platforms with e-books: De Gruyter e-books (2855 e-books from all fields) and CAB e-books (240 e-books) and will have access for the year 2023 and 2024 to the following databases: Elsevier Science Direct Freedom Collection Journals, Springer-Nature, Clarivate Analytics (Wos, JHCD, DII), Wiley Journals, Cambridge Journals, Sage Journals-Full, Elsevier Clinical Key (according to Annex 14 - Subsidiary contract for the realization of financing contract no. 1/axa 1/18.07.2017 in order to implement the project "National electronic access to scientific literature to support the research and education system in Romania - ANELIS PLUS 2020"; Subsidiary contract no. 1/07.06.2023- ANELIS PLUS 2023). Doctoral students have an institutional e-mail account that allows them mobile access to scientific literature.

*Recommendations:* There are no recommendations



**The indicator is fulfilled.**

**Performance indicator C.2.2.2.** Each doctoral student, upon request, has access to an electronic system for verifying the degree of similarity with other existing scientific or artistic works.

Through the Scientometrics Office of IOSUD-UVVG, doctoral students have access to the Anti-Plagiarism System ([www.sistemantiplagiat.ro](http://www.sistemantiplagiat.ro)), and can request verification of their doctoral theses in the system mentioned above, at any time during their doctoral studies before the official verification carried out by the School Doctoral, by completing a model application and paying a fee calculated according to the number of characters to be checked (Appendix 12).

Upon submission of the thesis, IOSUD requests the anti-plagiarism evaluation for the thesis submitted to the secretariat, and the report generated by the Scientometrics Office is sent to the Office of the Doctoral School, the doctoral supervisor and the doctoral student for verification of compliance with the rules approved by the regulation (Annex 27 - Regulation on the generation and analysis the similarity report for doctoral theses; Senate Resolutions 248/19.12.2017).

*Recommendations:* ensuring the verification of the thesis at different stages of development, as well as of the scientific articles that will be sent for publication, free of charge.

**The indicator is fulfilled.**

**Performance indicator C.2.2.3.** All doctoral students have access to scientific research laboratories or other facilities depending on the specific domain / domains within the doctoral school, according to a set of internal regulations.

Within the Regulations of the Doctoral School of Biology (annex 2, art. 22) there are mentions regarding the rights and obligations of doctoral students, they include the regulations regarding access to scientific research laboratories and other facilities (libraries, online databases) necessary for conducting studies of doctorate and which are also provided for in the study contract.

*Recommendations:* laboratory managers should continue to ensure, at the request of doctoral students, access to research laboratories, according to a flexible schedule.

**The indicator is fulfilled.**



## SWOT analysis

<p><u>Strong points:</u></p> <p><b>Logistic resources.</b> The Biology doctoral field has the necessary logistical resources to carry out the study program; there is a computer program for checking the percentage of similarity in all doctoral theses (<a href="http://www.sistemantiplagiat.ro">www.sistemantiplagiat.ro</a>).</p> <p><b>The research infrastructure</b> of the Biology doctoral field is modern and can ensure the development of activities specific to university doctoral studies.</p> <p><b>Human resources</b> are represented by qualified and experienced personnel. All doctoral supervisors of the Biology Field meet and exceed the minimum CNATDCU standards in force, necessary and mandatory for obtaining the habilitation certificate. All PhD supervisors have good international visibility demonstrated by Web of Science indexed publications.</p> <p><b>Quality of admitted candidates.</b> Candidates are admitted based on clear criteria of academic performance, research and professional activity.</p> <p>The doctoral training program ensures the development of research skills and ethical behavior in science.</p> <p><b>Transparency of information.</b> Information of interest to doctoral students and information of public interest are available for consultation on the website of the Western University V. Goldiș in Arad.</p>	<p><u>Weaknesses:</u></p> <p>Lack of detailed information in English on the University website for the Biology PhD program</p>
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Opportunities:

Orientation of doctoral research towards priority areas such as health, which warrants collaboration with the Doctoral School of Medicine. Currently existing collaborations between the university and university and research institutions in the country and abroad.

The realization of infrastructure and research projects by the members of the Doctoral School of Biology, teams that constantly attract significant amounts of internal and external research grants.

Strengthening collaboration with industry, medical and pharmaceutical stakeholders could provide additional financial support for conducting research activities and improving the quality of the doctoral study program.

Threats:

The lack of funding through doctoral grants from the Ministry of Education means that the support of doctoral students is realized either from tuition fees or from grants awarded by the university.

## Overview of judgments awarded and of the recommendations

No.	Type of indicator (PI, PI*, CPI)	Performance indicator	Judgment	Recommendations
1.	PI	<p><b>A.1.1.1.</b> The existence of specific regulations and their application at the level of the doctoral school that the doctoral domain is a part of:</p> <ul style="list-style-type: none"> <li>a) the internal regulations of the doctoral school;</li> <li>b) the methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in the CSD, and evidence that such elections were conducted;</li> <li>c) methodologies for organising and conducting doctoral studies (admission of doctoral students, completion of doctoral studies);</li> <li>d) existence of mechanisms for recognising the status of a doctoral advisor and the equivalence of a doctoral degree obtained abroad;</li> <li>e) functional management structures (Council of the doctoral school), including proof of the regular frequency of convening their meetings;</li> <li>f) the contract for doctoral studies;</li> <li>g) internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.</li> </ul>	fulfilled	Uploading to the SD site and continuously updating all reference documents.
2.	PI	<p><b>A.1.1.2.</b> The doctoral school's Regulations include mandatory criteria, procedures and standards concerning the aspects specified in art. 17, para. (5) of Government Decision no. 681/2011, as further amended and supplemented.</p>	fulfilled	No recommendations
3.	PI	<p><b>A.1.2.1.</b> The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.</p>	fulfilled	No recommendations
4.	PI	<p><b>A.1.2.2.</b> The existence and use of an appropriate software and evidence of its use to verify the percentage of similarity in all doctoral theses.</p>	fulfilled	No recommendations
5.	CPI	<p><b>A.2.1.1.</b> The venues and the material equipment available to the IOSUD/the doctoral school enable the research activities in the evaluated domain to be carried out, in line with the assumed</p>	fulfilled	Continuation of the endowment and purchase of equipment, in accordance with the diversification of research directions

No.	Type of indicator (PI, PI*, CPI)	Performance indicator	Judgment	Recommendations
		mission and objectives (computers, specific software, equipment, laboratory equipment, library, access to international databases, etc.). The research infrastructure and the provision of research services are presented to the public through a specific platform. The research infrastructure described above, which was purchased and developed within the past 5 years will be presented distinctly.		
6.	CPI	<b>A.3.1.1.</b> Minimum three doctoral thesis advisors work within that doctoral domain, and at least 50% of them (but no less than three) meet the minimum standards of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNATDCU) in force at the time when the evaluation is carried out, which standards are required and mandatory for obtaining the enabling certification.	fulfilled	Encouraging university teachers / researches to take the qualification exam and join the doctoral school
7.	PI *	<b>A.3.1.2.</b> At least 50% of the doctoral advisors in the doctoral domain under review are tenured professors within the IOSUD and have a full-time employment contract for an indefinite period.	fulfilled	No recommendations
8.	PI	<b>A.3.1.3.</b> The study subjects in the education programme based on advanced higher education studies pertaining to the doctoral domain are taught by teaching staff or researchers who are doctoral thesis advisors / certified doctoral thesis advisors, professors / CS I or associate professors / CS II, with proved expertise in the field of the study subjects they teach, or other specialists in the field who meet the standards established by the institution in relation with the aforementioned teaching and research functions, as provided by the law.	fulfilled	Stimulating young teaching staff to promote to the positions of lecturer and university professor and to support the qualification in the field of Biology
9.	CPI	<b>A.3.2.1.</b> At least 50% of the doctoral thesis advisors in the evaluated domain have at least 5 Web of Science- or ERIH-indexed publications in magazines of impact, or other achievements of relevant significance for that domain, including international-level contributions that indicate progress in scientific research - development - innovation for the evaluated domain. The aforementioned doctoral thesis advisors	fulfilled	Continuation of publication in journals with the highest possible impact factor, which confers increased visibility





No.	Type of indicator (PI, PI*, CPI)	Performance indicator	Judgment	Recommendations
		enjoy international awareness within the past five years, consisting of: membership on scientific boards of international publications and conferences; membership on boards of international professional associations; guests in conferences or expert groups working abroad, or membership on doctoral commissions at universities abroad or co-leading with universities abroad. For Arts and Sports and Physical Education Sciences, doctoral thesis advisors shall prove their international visibility within the past five years by their membership on the boards of professional associations, membership in organising committees of arts events and international competitions, membership on juries or umpire teams in artistic events or international competitions.		
10.	PI *	<b>A.3.2.2.</b> At least 50% of the doctoral thesis advisors in a specific doctoral study domain continue to be active in their scientific field, and acquire at least 25% of the score requested by the minimal CNATDCU standards in force at the time of the evaluation, which are required and mandatory for acquiring their enabling certificate, based on their scientific results within the past five years.	fulfilled	No recommendations
11.	PI *	<b>B.1.2.1.</b> Admission in the doctoral study programmes is based on selection criteria including the academic, research and professional performance of the candidates; their interest for scientific or artistic/sports research; publications in the domain, and a proposal of a research subject. Interviewing the candidate is mandatory as part of the admission procedure.	fulfilled	Updating the Admission Methodology in accordance with the provisions of Law 199/2023.
12.	PI	<b>B.2.1.1.</b> The training program based on advanced academic studies includes at least 3 disciplines relevant for the scientific research training of doctoral students, out of which at least one discipline focuses on the in-depth study of research methodology and/or statistical data processing.	fulfilled	Creation of an Education Plan in which the activities related to the 6 semesters of doctoral studies are credited, namely: PPUA in the first semester, the presentation of the Research Project and reports in the 2-4 semesters and the dissemination of the results through conferences, publications, etc., semesters 5-6.
13.	PI	<b>B.2.1.2.</b> At least one discipline is dedicated to ethics and intellectual property in scientific research, or there are well-defined topics on these subjects	fulfilled	No recommendations



No.	Type of indicator (PI, PI*, CPI)	Performance indicator	Judgment	Recommendations
		within a discipline taught in the doctoral program.		
14.	PI	<b>B.2.1.3.</b> The IOSUD has the mechanisms in place to ensure that the academic training program based on advanced higher education studies related to the evaluated domain addresses the “learning outcomes”, specifying the knowledge, skills, and the responsibility and autonomy that doctoral students should acquire after completing each discipline or through the research activities.	fulfilled	It is recommended to introduce more recent bibliographic titles in the Subject Sheets, as well as to quantify a credit with a number of 25 hours of study.
15.	PI	<b>C.1.1.1.</b> The doctoral school to which the doctoral study domain belongs demonstrates that the internal evaluation and quality assurance process of the study domain is carried out constantly, according to a procedure developed and applied at the level of the IOSUD, including an evaluation of the following mandatory criteria: a) the scientific work of doctoral advisors; b) the infrastructure and logistics needed for carrying out the research activity; c) the regulations and procedures based on which doctoral studies are organised; d) the scientific activity of doctoral students; e) the training program based on advanced higher education studies of doctoral students; f) social and academic support services (including for participation in various events, publishing papers, etc.) and counselling services available for the doctoral students.	fulfilled	No recommendations
16.	PI *	<b>C.1.1.2.</b> Mechanisms are implemented during the doctoral study program to enable identification of the doctoral students' needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.	fulfilled	Consistent application of the questionnaire and implementation of the Action Plan.
17.	CPI	<b>C.2.1.1.</b> Subject to compliance with the data protection regulations in force, the IOSUD publishes the following types of information on the website of the higher	fulfilled	Presentation of information on the website also in English, to facilitate the attraction of foreign PhD students.



No.	Type of indicator (PI, PI*, CPI)	Performance indicator	Judgment	Recommendations
		education institution: a) the internal regulations of the doctoral school; b) the admission regulations; c) the doctoral study contract; d) the study completion regulation including the procedure for the public presentation of the thesis; e) the content of the training programs based on advanced academic studies; f) the academic and scientific profile, thematic areas/research themes of the doctoral advisors within the domain, as well as their institutional contact data; g) the list of doctoral students in the domain concerned, with basic information (year of enrolment; advisor); h) information on the standards for developing the doctoral thesis; i) links to the summaries of the doctoral theses to be presented publicly, as well as the day, time and place where they will be presented, at least 20 days before the presentation.		
18.	PI	<b>C.2.2.1.</b> All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.	fulfilled	No recommendations
19.	PI	<b>C.2.2.2.</b> Each doctoral student, upon request, has access to an electronic system for verifying the degree of similarity with other existing scientific or artistic works.	fulfilled	Ensuring the verification of the thesis at various stages of development, as well as of the scientific articles that will be sent for publication, free of charge.
20.	PI	<b>C.2.2.3.</b> All doctoral students have access to the scientific research laboratories or to other facilities depending on the specific domain / domains within the doctoral school, according to a set of internal regulations.	fulfilled	Laboratory managers continue to ensure, at the request of doctoral students, access to research laboratories, according to a flexible schedule.



## Conclusions and general recommendations

For the Biology Field, there are 4 PhD supervisors with high qualifications and international research achievements, 3 of whom are tenured teaching staff (representing a percentage of 75%).

The doctoral school benefits from an impressive research infrastructure, to which all doctoral students have access, aligned with international research standards, which allows the achievement of the objectives of the University of West Vasile Goldiș, to contribute to the progress of scientific knowledge, to train graduates with a high skill level and to participate in the identification and implementation of useful solutions for the general development of society.

The Commission formulates the following recommendations:

- To continue the concerns in order to improve the internationalization process, by recruiting both foreign students and teaching staff from abroad for the Guidance Committees and for the Doctorate Theses Support Committees.
- To present of information on the website in English
- To merge the two doctoral schools (Biology and Medicine) into a doctoral School of Biomedical Sciences, for the efficiency of administrative activity.

Prof. Dr. Roman VOLKOV

“Yuriy Fedkovych” Chernivtsi National University,  
Chernivtsi, Ukraine



Programul vizitei de evaluare a domeniului de studii universitare de doctorat BIOLOGIE  
a Universității de Vest „Vasile Goldiș” din Arad

Interval orar hour	Activitate / <i>Activity</i>	Participanți / <i>Participants</i>	Observații/ Locație <i>Observations/ Location</i>
Luni / <i>Monday</i> , 31.07.2023			
11:00- 11:30	Întâlnire organizatorică a comisiei de experți evaluatori  <i>Organizational meeting of the panel evaluators</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS</i> <i>panel members</i>	Campus Universitar “Vasile Goldiș”, Str.L.Rebreanu nr.86, sala nr.B8
11:30- 12:00	Întâlnirea comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat și cu echipa care a realizat raportul de evaluare internă  <i>Panel evaluators` meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS</i> <i>panel members</i>  - Reprezentanți ai instituției evaluate / <i>University's representatives</i>	Campus Universitar “Vasile Goldiș”, Str.L.Rebreanu nr.86, sala nr.B7
12:00- 12:30	Întâlnirea comisiei de experți evaluatori cu reprezentanții conducerii instituției evaluate și ai CSUD	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS</i> <i>panel members</i>  - Reprezentanți ai conducerii universității	Campus Universitar “Vasile Goldiș”, Str.L.Rebreanu nr.86, sala nr.B7



Interval orar hour	Activitate / Activity	Participanți / Participants	Observații/ Locație Observations/ Location
	<i>Panel evaluators meeting with representatives of the institution and of the Council for Academic Doctoral Studies (CSUD)</i>	<i>/ Representatives of the University's management</i>  - Reprezentanți ai CSUD și ai școlii doctorale / <i>Representatives of the CSUD and of the Doctoral School</i>  - Persoana de contact / <i>The contact person</i>	
12:30-13:00	Derularea activităților specifice comisiei de experți evaluatori și efectuarea de consemnări în proiectul raportului de evaluare externă. <i>Carrying out the specific activities of the panel evaluators and making entries in the draft of the external evaluation report.</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i>  - Reprezentanți ai instituției evaluate / <i>University's representatives</i>	Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B8
13:00-14:00	Pauză de prânz / Lunch break		
14:00-18:00	<b>Vizitarea bazei materiale didactice și de cercetare</b>  <i>Visiting the educational and research infrastructure</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i>  - Reprezentanți ai instituției evaluate / <i>University's representatives</i>	Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86  Institutul de Stiinte ale Vietii "Aurel Ardelean"  Gradina Botanica Universitara Macea
<b>Marți / Tuesday, 01.08.2023</b>			
9:00-9:30	<b>Întâlnire tehnică a comisiei de evaluare</b>  <i>Panel evaluators` technical meeting</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i>	Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B8



Interval orar hour	Activitate / <i>Activity</i>	Participanți / <i>Participants</i>	Observații/ Locație <i>Observations/ Location</i>
9:30-10:00	<p>Întâlnirea membrilor comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat</p> <p><i>Panel evaluators` meeting with the contact person for the doctoral study domain under review</i></p>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i></p> <p>- Reprezentanți ai instituției evaluate / <i>University's representatives</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>
10:00-11:00	<p>Întâlnirea echipei de evaluare cu personalul didactic aferent domeniului evaluat</p> <p><i>Panel evaluators` meeting with the academic staff corresponding to the doctoral study domain</i></p>	<p>- Comisia de evaluare ARACIS / <i>ARACIS panel members</i></p> <p>- Cadre didactice care au calitatea de conducător de doctorat / <i>Doctoral coordinators</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>
11:00 - 12:00	<p>Întâlnirea echipei de evaluare cu membrii Comisiei pentru Evaluarea și Asigurarea Calității (CEAC) / Departamentul de asigurare a calității</p> <p><i>Panel evaluators` meeting with the Commission for Quality Evaluation and Assurance (CEAC) members / Quality Assurance Department</i></p>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i></p> <p>- Reprezentanți ai instituției evaluate / <i>University's representatives</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>
12:00 - 13:00	<p>Întâlnirea echipei de evaluare cu membrii Consiliului școlii doctorale în cadrul căreia va funcționa domeniul evaluat</p> <p><i>Panel evaluators` meeting with Doctoral Schools Council (CSD) members</i></p>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i></p> <p>- Membrii CSD / <i>CSD's members</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>
13:00-13:30	<p>Pauză de prânz / <i>Lunch break</i></p>		





Interval orar hour	Activitate / <i>Activity</i>	Participanți / <i>Participants</i>	Observații/ Locație <i>Observations/ Location</i>
13:30-14:30	<p>Întâlnirea echipei de evaluare cu membrii Comisiei de Etică a instituției de învățământ superior</p> <p><i>Panel evaluators` meeting with the members of the Ethics Commission</i></p>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i></p> <p>- Membrii Comisiei de Etică / <i>Ethics Commission members</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>
14:30-15:30	<p>Întâlnirea echipei de evaluare cu directorii/ responsabilii centrelor/ laboratoarelor de cercetare aferente domeniului de studii universitare de doctorat evaluat</p> <p><i>Panel evaluators` meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain</i></p>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i></p> <p>-Directorii centrelor / laboratoarelor de cercetare / <i>Directors of research centers/laboratories</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>
15:30-16:30	<p>Derularea activităților specifice comisiei de experți evaluatori și efectuarea de consemnări în proiectul raportului de evaluare externă.</p> <p><i>Carrying out the specific activities of the panel evaluators and making entries in the draft of the external evaluation report.</i></p> <p>Dacă se consideră necesare, pot avea loc întâlniri suplimentare, spre exemplu cu / <i>If deemed necessary, additional meetings may be held, for example with:</i></p> <ul style="list-style-type: none"> <li>• reprezentanți din Senatul universitar (inclusiv studenți); / <i>representatives from the University Senate (including students);</i></li> <li>• reprezentanții organizației / organizațiilor studențești; / <i>representatives of the student organization / organizations;</i></li> <li>• reprezentanți ai Centrului de Consiliere și Orientare în Carieră (CCOC); / <i>representatives of the Career Counseling and Guidance</i></li> </ul>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i></p> <p>- Reprezentanți ai instituției evaluate / <i>University's representatives</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7</p>





Interval orar hour	Activitate / Activity	Participanți / Participants	Observații/ Locație Observations/ Location
	<p><i>Center (CCOC);</i></p> <ul style="list-style-type: none"> <li>• reprezentanți ai bibliotecii instituției de învățământ superior; / <i>representatives of the library of the higher education institution;</i></li> <li>• reprezentanți ai centrelor/laboratoarelor de cercetare din domeniul școlii / școlilor doctorale sau din domeniul evaluat; / <i>representatives of research centers / laboratories in the field of the doctoral school / schools or in the evaluated field;</i></li> <li>• reprezentanți ai direcției cămine-cantine (sau echivalentă) / <i>representatives of the dormitory-canteen department (or equivalent).</i></li> </ul>		
16:30 - 18:00	<p>Derularea activității comisiei de experți evaluatori (inclusiv continuarea anumitor activități începute/stabilite în ziua precedentă, analiza documentelor suplimentare puse la dispoziție de reprezentanții instituției supuse evaluării, efectuarea de consemnări în proiectul raportului de evaluare externă sau derularea unor întâlniri cu reprezentanți ai instituției supuse evaluării). / <i>Carrying out the work of the panel evaluators (including the continuation of certain activities started / established in the previous day, analysis of additional documents provided by the representatives of the institution under evaluation, making notes in the draft external evaluation report or holding meetings with representatives of the institution under evaluation) .</i></p> <p>Discuții referitoare la elaborarea raportului de evaluare externă al</p>	<p>- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS' panel members</i></p> <p>- Reprezentanți ai instituției evaluate / <i>University's representatives</i></p>	<p>Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B8</p>



Interval orar hour	Activitate / Activity	Participanți / Participants	Observații/ Locație Observations/ Location
	comisiei de experți evaluatori. / <i>Discussions on the preparation of the external evaluation report of the panel evaluators.</i>		
<b>Miercuri / Wednesday, 02.08.2023</b>			
09:00- 10:00	Întâlnirea membrilor comisiei de experți evaluatori cu responsabilul domeniului de studii universitare de doctorat evaluat  <i>Panel evaluators` meeting with the contact person for the doctoral study domain under review</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i>  - Reprezentanți ai instituției evaluate / <i>University's representatives</i>	Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7
10:00- 11:00	Întâlnirea membrilor comisiei de experți evaluatori cu reprezentanții instituției evaluate pentru comunicarea concluziilor procesului de evaluare  <i>Panel evaluators` meeting with representatives of the institution under review to discuss on the conclusions of the evaluation process.</i>	- Membrii comisiei de experți evaluatori ARACIS / <i>ARACIS panel members</i>  - Reprezentanți ai instituției evaluate / <i>University's representatives</i>	Campus Universitar "Vasile Goldis", Str.L.Rebreanu nr.86, sala nr.B7

\* Toate activitățile incluse în structura programului vizitei comisiei de evaluare sunt obligatorii, însă ordinea și durata alocată acestora sunt stabilite de către comisie în funcție de specificul evaluării. /

\* All activities included in the structure of the panel evaluators visit program are mandatory, but the order and duration allocated to them are established by the commission according to the specifics of the evaluation.

Images taking during the visit



Institute of Life Science



Molecular Biology Lab

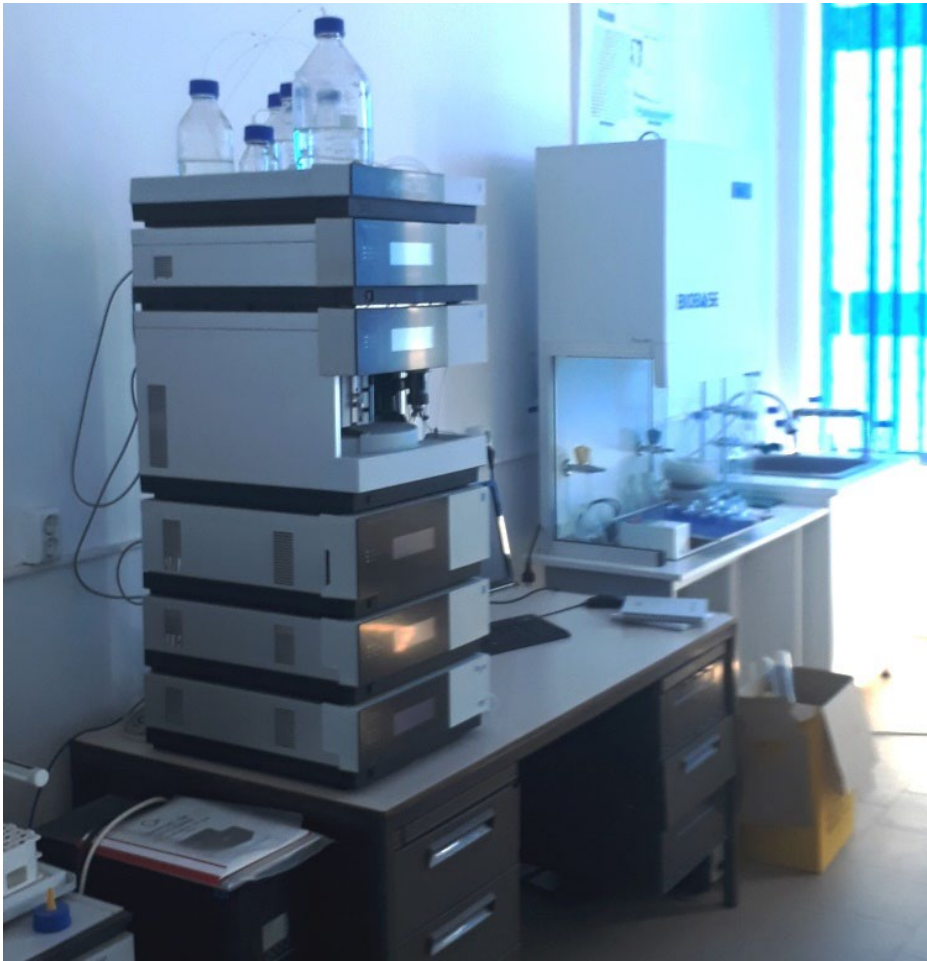


Electron Microscopy Facility



Plant In vitro Culture Lab





Liquid Chromatography Lab



Animal Research Facility



Organic Chemistry Lab



Laboratory of Pharmacognosy and Phitochemistry



Aula