

The External Evaluation Report of
"Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca (**IOSUD**)

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I. Introduction¹

In this chapter, the following shall be summarized:

- 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 Committee**, etc.);
- details about the institution organizing the doctoral studies (number of Doctoral Schools, number of students, institutional context, short history, etc.);

I was appointed as a Foreign External Evaluator for the Romanian Agency for Quality Assurance in Higher Education (ARACIS) and invited to join the evaluation team for periodical external evaluation of the "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca (UMPh). This report is drafted based on a periodical external evaluation of the "Iuliu Hațieganu" University of Medicine and Pharmacy, Cluj-Napoca, organizing doctoral study programs (IOSUD). The evaluation of the institution was carried out under the terms of Article 132 para. (1) of Law No 1/2011, with subsequent amendments and additions, based on the provisions of Art. 13 let. a) - c) of the Government Emergency Ordinance No 75/2005 on the Quality Assurance of Education, approved by Law No 87/2006, with subsequent amendments and supplements.

Evaluation was carried out as a hybrid mode. The remote evaluation period of UMPh Cluj- Napoca, in which I participated as an international expert, took place from 15 to 19 November 2021. The Evaluation director was Prof. Ioan Lascăr from Universitatea de Medicină și Farmacie „Carol Davila” din București. The Coordinator of the IOSUD committee was Prof. Liliana Marcela Rogozea from Universitatea „Transilvania” din Brașov. Assoc. Prof. Sergul Duygulu (me) was the international expert from Hacettepe University, Alexandra-Simona Zamfir was PhD student expert from Universitatea de Medicină și

¹ Each time when applicable the information shall be presented genderwise

² Each time when applicable the information shall be presented genderwise

³ The indicators marked with an asterisk (*) hold a special status, referring exclusively to the evaluation of doctoral schools, as per Article 12 from the annex No.1 of the Order of the minister of education No. 3651/12.04.2021 approving the Methodology for evaluating university doctoral studies and the system of criteria, standards and performance indicators used in the evaluation. In case they are not fulfilled, the Agency



Farmacie „Grigore T. Popa” din Iași and Prof. Alexandru Bucur from Universitatea de Medicină și Farmacie „Carol Davila” din București was IOSUD Expert.

The evaluation process started on Monday at 9.00 am (15/11/2021) with a preliminary online meeting to prepare and harmonize evaluation steps, in hybrid mode, of doctoral study domains and IOSUD. I have participated in all planned meetings with the team during the remote evaluation. The sessions were held with the institution's representatives and the Council for Academic Doctoral Studies (CSUD), IOSUD graduates and the director of CSUD/ directors of doctoral schools, and the team who drafted the internal evaluation report on Monday (15/11/2021). The online meetings were held with the members of the Ethics Commission, Commission for Quality Evaluation and Assurance (CEAC) members/ Quality Assurance Department, IOSUD Academic Staff, and Ph.D. Students on Tuesday (16/11/2021). On Wednesday (17/11/2021), online meetings were held with Directors/ persons in charge of the research centers/laboratories within IOSUD, Doctoral University Studies Council (CSUD), and with members Doctoral Schools Council (CSD members), and employers of doctoral graduates. A technical meeting was held to identify specific issues that need to be clarified during the on-site visit on Wednesday. On Thursday (18/11/2021), IOSUD evaluation activities continued independently. On Friday (19/11/2021), an online meeting of IOSUD/doctoral domains evaluation panels was held for the conclusions. The last meeting was held with representatives of the institution under review to discuss the findings of the evaluation process and the main recommendations. The online evaluation process was finished on Friday, October 19. The evaluation process was conducted in an open and collegial manner.

Details about the institution organizing the doctoral studies (number of Doctoral Schools, number of students, institutional context, short history, etc.);

The history of the UMPH Cluj-Napoca dates back to 1565. On May 12, 1581, the foundation of the University in Cluj was decided, under the ruling and administration of the Jesuit Order, replaced in 1774 by the Piarist Order. Iuliu Hațieganu" UMPH, became functional on November 7, 1919, as the Faculty of Medicine, part of the University of Upper Dacia from Cluj, was established after the Great Country Union of 1918. At the same time, dental and pharmaceutical studies were initiated within the Faculty, and in 1923, the name changed to Faculty of Medicine and Pharmacy. In 1948, the Faculty of Medicine became the Institute of Medicine and Pharmacy, with faculties of General Medicine, Hygiene (until 1956), Pediatrics (until 1989), Dentistry, and Pharmacy. In 1990 the Institute became the University of Medicine and Pharmacy, in 1993 taking the name of its first professor and dean of medicine, "Iuliu Hațieganu." The official name "Iuliu Hațieganu" University of Medicine and Pharmacy was established in 1994. In 1996 the University participated in a PHARE selection of First Level Universities, by which "Iuliu Hațieganu" UMPH has designated the first medical university of this level in Romania. English language studies were initiated in 1997, followed by French studies in 2000. The lectures and teaching activities are entirely in these languages throughout the six years of study.

In 2011, based on the data collected from universities, the Ministry of Education (ME), through UEFISCDI (higher education and research financing unit), ranked the higher education institutions in Romania; Iuliu Hațieganu UMPH was classed among advanced research and education universities, which gave it the right to provide studies at bachelor, master and doctoral levels. The university offers only a scientific doctorate, focused on learning through research, aiming at developing human resources for research-development-innovation. "Iuliu Hațieganu" UMPH from Cluj-Napoca is accredited as IOSUD (Institution Providing University Level Doctoral Studies), which includes a doctoral school organizing and



providing doctoral studies. The domains covered by the doctoral studies are medicine, dental medicine, and pharmacy, according to Government Decision 326/2019.

The University doctoral studies are organized by "Iuliu Hațieganu" IOSUD from Cluj-Napoca, according to the Law of Education no. 1/2011, Government Decision no. 681/2011 (reacted in 2016), regarding the approval of the Code for Doctoral Studies and the Institutional Regulations for the management and provision of doctoral studies included in the University Chart. The Doctoral School manages the doctoral studies based on three main domains of practice and research: medicine, dental medicine, and pharmacy.

IOSUD is led by the Council of Doctoral Studies (CSUD), and the Doctoral School is led by the Council of the Doctoral School (CSD). The composition of the two councils obeys the rules of the Code of university doctoral studies and the Institutional Regulations. IOSUD also includes the council for quality assurance in doctoral research, whose main objective is the assessment of doctoral dissertations by an internal commission appointed by the doctoral school. Another primary objective of the council is to ensure that the quality standards of the scientific research and dissertation writings are met.

The head of the institution, legally representing IOSUD "Iuliu Hațieganu" UMPH Cluj-Napoca, is the Rector of the UMPH, while the collective governing board is the University Senate.

The mission of IOSUD UMPH is to ensure the optimal environment for doctoral studies that would enable knowledge development in the areas of the doctoral studies of the organization. The vision focuses on four central ideas: high-level education, interdisciplinary research, international outlook, and institutional advancement.

Iuliu Hațieganu UMPH Cluj-Napoca was ranked as the university of advanced research and education. The curricula of all the three doctoral domains of Iuliu Hațieganu UMPH Cluj-Napoca (medicine, dental medicine, and pharmacy) were classed as the top category. Iuliu Hațieganu UMPH Cluj-Napoca was evaluated by ARACIS twice (in 2009 and in 2014). Following both visits, the university was qualified as a high level of trust, according to the reports made by the ARACIS council on 17.12.2009 and 29.01.2015, respectively. Additionally, it is seen that the UMPH has also been evaluated by the EUA and CIDMEF, and CIDPHARMEF in the past. After the evaluations, it is seen that the UMPH has developed its structure and process, especially regarding research in line with the recommendations.

UMPH includes eight undergraduate level programs and six foreign languages teaching programs, 23 Master programs (17 for the Faculty of Medicine + 1 for the Faculty Dental Medicine + 5 for the Faculty of Pharmacy), and a Doctoral School in the domain of Biomedical Sciences specialized in Medicine, Dental

Medicine and Pharmacy. At present, "Iuliu Hațieganu" UMPH Cluj-Napoca enrolls almost 7000 students license level, 500 master students, 700 Ph.D. students, and 2500 residents.

II. Methods used

Evaluation methodology was based on domains, criteria, standards, and performance indicators for the periodical external evaluation of IOSUD to support the improvement of IOSUD. The used methods and tools in the external evaluation process, before and during the evaluation visit, are given below:

Before evaluation:

- The analysis of the internal evaluation report of the IOSUD and its Annexes;
- The analysis of data and information available on the IOSUD/Doctoral School(s) website

During evaluation:



- Meeting/discussions with doctoral students in the IOSUD;
- Meeting/Discussions with the graduates of the IOSUD;
- Meeting/Discussions with employers of the graduates of the IOSUD;
- Meeting/Discussions with the school officials of the IOSUD;
- Meeting/Discussions with the Doctoral advisors affiliated with the IOSUD;
- Meeting/discussions with the representatives of the various structures of the IOSUD/Doctoral School/Doctoral Schools in which the doctoral study domain under review is operating:
- The Council of the University Doctoral Studies (CSUD), The Council of the Doctoral School(s) (CSD), the Quality Assessment and Assurance Commission, the Quality Assurance Department, the Ethics Commission (including with the student representatives of these structures);

III. Analysis of ARACIS's performance indicators²

Domain A. INSTITUTIONAL CAPACITY

Under Domain A. Institutional Capacity, IOSUD's administrative structures and financial resources, research infrastructure, quality of human resources were analyzed. There were no unmet criteria and performance indicators in this domain. The institution has the necessary administrative structures, financial resources, and quality human resources to achieve its corporate vision, mission, goals, and objectives. However, the criteria and performance indicators that are partially met in this area and the recommendations regarding the subject are explained in detail below.

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

General description of the standard analysis:

IOSUD has implemented the effective functioning mechanisms provided for in the specific legislation on the organization of doctoral studies according to the internal evaluation report of the institution and the information obtained as a result of the online meetings held in the institution. A detailed analysis of these performance indicators is given below.

Performance Indicator A.1.1.1. *The existence of specific regulations and their application at the level of the IOSUD, respectively at the Doctoral School(s):*

(a) the internal regulations of the administrative structures (the institutional regulations for the organization and conduct of doctoral studies programs, the regulation(s) of Doctoral School(s);

(b) the Methodology for conducting elections at the level of the Council of University Doctoral Studies (CSUD), respectively at Doctoral School(s) including elections by the students of their representatives in CSUD/Council of the Doctoral School (CSD) and the evidence of their conduct;

c) the Methodologies for organizing and conducting doctoral studies for the admission of doctoral students, for the completion of doctoral studies);

² Each time when applicable the information shall be presented genderwise



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

e) *functional management structures CSUD/Council of the Doctoral School with evidence of the regularity of meetings;*

f) *the contract for doctoral studies;*

g) *internal procedures for analyzing and approving proposals about doctoral study programs based on advanced academic studies.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The organization and development of doctoral study programs within IOSUD "Iuliu Hațieganu" UMPH Cluj-Napoca is framed by the *Regulations of management and provision of doctoral studies*, part of the University Chart. The regulations are updated according to the legal modifications regarding the doctoral studies and are published on the IOSUD website.

The methodology for designating management structures and positions at CSUD and the Doctoral School is regulated by the *Regulations of management and provision of doctoral studies*, the *Methodology of CSUD elections*, and *CSUD and SD Electoral Regulations*. The regulations describe the *Methodology for conducting elections at the level of the Council of University Doctoral Studies (CSUD)*, respectively at *Doctoral School(s)*, including elections by the students of their representatives in *CSUD/Council of the Doctoral School (CSD)*. IOSUD is led by the *Council of Doctoral Studies*, a collective board, while the *Doctoral School* is led by the *Council of the Doctoral School (CSD)*. The composition of the two councils obeys the rules of the *Code of university doctoral studies* and the *Institutional Regulations According to art. 6 of the Institutional Regulation of management and provision of doctoral studies*, CSUD includes 11 members, one of which is being elected by direct, universal, secret and equal vote from the Ph.D. professors, one by direct, universal, secret and equal vote from the Ph.D. students, four members are appointed by the Rector, based on art. 9, (7) of the *Code of Doctoral Studies*. CSD comprises six members, one being the director appointed by CSUD and another a Ph.D. student. The members of the CSD are elected by direct, universal, secret, and equal votes of the Ph.D. supervisors and the Ph.D. students, respectively. The mandate is for five years. Evidence was also presented of the method's compliance with regulations. Additionally, the methodology was confirmed in the interviews.

The organization and development of doctoral studies are organized based on the methodology of admission for doctoral studies. The admission to doctoral studies is ruled by the *Methodology of the organization of admission to the postgraduate doctoral studies of the "Iuliu Hațieganu" UMPH Cluj-Napoca* (approved in the Administration Council meeting from 22.03.2017, Annex 6). The completion of doctoral studies is organized based on the *Doctoral School regulations*. There is also a procedure of studies completion, including the procedure of public presentation of the thesis. Additionally, the information regarding the doctoral thesis, standard of writing, procedures, and evaluation criteria is



available on the website of IOSUD. IOSUD also includes the council for quality assurance in doctoral research, whose main objective is the assessment of doctoral dissertations by an internal commission appointed by the doctoral school. Another primary objective of the council is to ensure that the quality standards of the scientific research and dissertation writings are met.

The Regulations of the Doctoral School include criteria, procedures, and standards, that are mandatory for the aspects specified in art.17, alin. 5 of HG 681/2011. The conditions to be fulfilled by a person with the ability to become an IOSUD member are specified in the Regulation regarding granting the habilitation diploma approved by the UMPH Senate Decision from October 2, 2020. May 30, 2017, and in force since October 1, 2017. Additionally, IOSUD of UMPH has the procedure regarding the recognition by "Iuliu Hațieganu" UMPH Cluj-Napoca of the Ph.D. Diploma and title of Ph.D. in sciences obtained abroad and the Procedure regarding the automatic recognition by Iuliu Hațieganu UMPH Cluj-Napoca of the quality of Ph.D. supervisor obtained from accredited foreign higher education institutions. All the specific documents related to the doctoral studies are made public on the university website.

Institutional Regulation of management and provision of doctoral studies also include regulations regarding holding regular meetings of CSUD and CSD. The internal evaluation report includes shreds of evidence of CSUD and CSD's written reports & meetings planning.

Ph.D. students are enrolled based on a specific contract - Template of the contract of doctoral studies - available on the IOSUD website, three forms covering the main domains of study: Medicine, Dental Medicine, Pharmacy.

There is an internal procedure for evaluating doctoral study programs based on advanced academic studies. Curricula of the doctoral studies: procedure of analysis and approval of proposals are given in Annexes.

The indicator is fulfilled.

Performance Indicator A.1.1.2. The doctoral school' Regulation includes mandatory criteria, procedures, and standards binding on the aspects specified in Article 17, paragraph (5) of the Government Decision No. 681/2011 on the approval of the Code of Doctoral Studies with subsequent amendments and additions.

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The Doctoral School Regulation and institutional regulations include criteria, procedures, and mandatory standards for the aspects specified in Art. 17 para. (5) of the Code of doctoral studies, approved by Government Decision no. 681/2011, with subsequent amendments and completions, as follows: acceptance of new doctoral supervisor members, as well as regulations regarding the way in which a doctoral supervisor can be withdrawn as a member of the doctoral school; the mechanisms by which decisions are taken regarding the training program's appropriateness, structure, and content based on advanced university studies; the procedures for changing the doctoral supervisor of a particular doctoral



student and the conflict mediation procedures; the doctoral supervisor, the doctoral student; the conditions under which the doctoral program may be interrupted; organization and development of doctoral studies; ways to prevent fraud in scientific research, including plagiarism; regulations of the Doctoral School, ensuring access to research resources; organization and development of doctoral studies, the frequency obligations of the doctoral students, organization and development of the doctoral university studies.

The indicator is fulfilled

Performance Indicator* A.1.1.3³. *Doctoral schools included in IOSUD are organized as disciplinary or interdisciplinary disciplines/thematic, according to Article 158, paragraph (7) of the Law of National Education No. 1/2011 with subsequent amendments and additions.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The doctoral school included in IOSUD is organized on disciplines or disciplinary and interdisciplinary topics, in accordance with Art. 158, para. (7) of the National Education Law no. 1/2011 with subsequent amendments and completions. One of the objectives of IOSUD is the identification and promotion of interdisciplinary research domains. It is seen that the actions are taken to fulfill the objective.

The indicator is fulfilled.

Standard A.1.2. The IOSUD has the logistical resources necessary to carry out the doctoral studies' mission.

According to the internal evaluation report of the institution and the information obtained as a result of the online meetings held in the institution, it was determined that the standard was met. The IOSUD has the logistical resources necessary to carry out the doctoral studies' mission. A detailed analysis of the performance indicators and related recommendation/s are given below.

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

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

³ The indicators marked with an asterisk (*) hold a special status, referring exclusively to the evaluation of doctoral schools, as per Article 12 from the annex No.1 of the Order of the minister of education No. 3651/12.04.2021 approving the Methodology for evaluating university doctoral studies and the system of criteria, standards and performance indicators used in the evaluation In case they are not fulfilled, the Agency extends a period of maximum 3 years to IOSUD to correct the respective deficiencies.



The record of doctoral students enrolled in the Doctoral School of "Iuliu Hațieganu" UMPH Cluj-Napoca is made at the secretariat of the Doctoral School. The management system of doctoral students fulfills the functions such as "collection of raw data" (doctoral student identifier, demographics, administrative details, data regarding the scientific director and the guidance commission, whether or not the Ph.D. student is a beneficiary of a PCD scholarship), "storage of collected data," "sorting, filtering and making reports." At the level of the Doctoral School, a computer-based system is used, and an Excel database was created to keep track of doctoral students and their academic backgrounds. However, the reliability and effectiveness of the system have been evaluated as limited. During the online interviews, it was determined that IT system building works are at the beginning level to monitor the progress of doctoral students

Recommendations.

It is recommended to complete IT system infrastructure building works to monitor doctoral students and create mechanisms for evaluating its effectiveness.

The indicator is partly fulfilled.

Performance Indicator A.1.2.2. The existence and use of a software program and evidence of its use to verify the percentage of similarity in all doctoral theses.

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The anti-plagiarism program used at the UMPH is Sistemantiplagiat. So system recognized by MENCȘ. The plagiarism detection software is available to the entire academic community and used for all Ph.D. theses before being submitted to the supervising committee. The usage example of the program is presented in the appendices.

The indicator is fulfilled.

Criterion A.2. Research infrastructure

Standard A.2.1. The IOSUD/doctoral schools have a modern research infrastructure to support doctoral studies' specific activities.

According to the internal evaluation report of the institution and the information obtained as a result of the online meetings held in the institution, The IOSUD/doctoral schools have a modern research infrastructure to support the conduct of doctoral studies' specific activities, and it was determined that the standard was met. A detailed analysis of the performance indicators and related recommendation/s are given below.



Performance Indicator A.2.1.1. *The IOSUD/the doctoral school(s) present proof of having rented adequate spaces for research activity specific to doctoral studies (laboratories, experimental fields, research stations, etc.)*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

Through two POSCCE projects, UMPH Cluj-Napoca has set up two research centers (Research Center for Functional Genomics, Biomedicine and Translational Medicine, and MedFuture Research Center) which provide an excellent material base for research. Considering the direct involvement of doctoral students and supervisors in the realization of projects, these centers are part, organically and administratively, of the Doctoral School of "Iuliu Hațieganu" UMPH Cluj-Napoca.

At the same time, within the university, there are eight centers of excellence and/or research accredited by CNCSIS in the period 2001-2005, five centers approved according to the Senate Decision no. 2 of 30.03.2010 and six other functional centers approved by internal decisions. Starting from 2008, the Department for Research, Development, and Innovation (Dep-CDI) functions within the university. It is a support unit for managing research and development actions and projects, ensuring that the priority research pathways are followed. The University owns one of the most complex and modern simulation centers for medicine in the country. The Communications Center of the university is responsible for the technical maintenance of the communication systems, equipment, and communication lines (hardware and software). The access to the centers and all of the research infrastructure is regulated with the Procedure of access to scientific research laboratories and partnership agreements. The existing research structure at the "Iuliu Hațieganu" University of Medicine and Pharmacy is available on the ERRIS platform. The number of research resources of UMPH Cluj-Napoca published on the ERRIS platform is 40.

The evidence presented in the internal evaluation report and the clarifications in the interviews made during the online evaluation process showed that the university has sufficient infrastructure. UMPH presents proof of possessing the necessary spaces and the material base necessary for developing the quality conditions of doctoral university studies.

The indicator is fulfilled

Performance Indicator A.2.1.2. *The IOSU / doctoral school(s) has/have collaboration agreements with higher education institutions, research institutes, research networks for joint partnerships, and access to various research infrastructures; the offer for research services is presented publicly using a dedicated platform.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*



Collaboration agreements between Iuliu Hațieganu" UMPH Cluj-Napoca and other universities are provided in the internal evaluation report and the ERRIS Platform. As seen, the IOSUD conducted numerous research projects in partnership with other institutions. One of the IOSUD objectives is the Optimization of research infrastructure and its functional efficiency. Implementation of POSCCE - MedFuture Project, Contracting and implementing project POC 2016, SECTION E –Attracting highly skilled personnel from abroad and SECTION G – Partnerships for knowledge transfer (total of 4 projects won) were the actions to fulfill the objective. The number of researches carried out in the last three years' by Ph.D. students in MedFUTURE and Center of Functional Genomics is 102. These research centers are included in UMF Iuliu Hațieganu Cluj-Napoca, and a collaboration agreement is signed between the Ph.D. student and the director of the center.

Additionally, one of the IOSUD objectives is "maintenance and extension of strategic partnerships with research institutions from abroad. It is seen that new collaboration agreements/conventions are signed. Based on the implementations and the actions taken, it has been concluded that this criterion has been met.

The indicator is fulfilled

Performance Indicator A.2.1.3. *The IOSUD/doctoral school(s) proves that it is/are concerned with the permanent renewal of the research infrastructure to provide doctoral students access to updated research resources by applying to various funding competitions and using their university resources for acquiring new research infrastructure.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The IOSUD is constantly concerned with renewing the research infrastructure that provides doctoral students access to current research resources. This encourages and supports Ph.D. supervisors to apply for funding in various national and international competitions. The management of the Doctoral School is also involved in submitting research infrastructure funding projects. The total value of infrastructure acquisitions from research projects was 17,531,607.46. The total value of the infrastructure acquisitions from the university's revenues was 1,314,898.96 lei.

The indicator is fulfilled

Criterion A.3. Quality of Human Resource

Standard A.3.1. At the level of each Doctoral School, there is sufficient qualified staff to ensure a quality educational process.

At the level of each Doctoral School, there is sufficient qualified staff to ensure a quality educational process. According to the internal evaluation report of the institution and the information obtained as a result of the online meetings held in the institution, it was determined that the standard was met. A detailed analysis of the performance indicators and related recommendation/s are given below.



Performance Indicator *A.3.1.1. *The share of Doctoral advisors coordinating simultaneously more than eight doctoral students but not more than 12 during their doctoral studies⁴ does not exceed 20%.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

At the self-assessment report, there were 522 doctoral students, 78.1% being active doctoral students and 21.9% in an extension under the guidance of 157 doctoral supervisors (117 Medicine, 17 Dentistry, and 23 Pharmacy). Most Ph.D. supervisors coordinate up to 8 Ph.D. students. The rate of doctoral advisor with more than 12 doctoral students is 2,5 % (Medicine: 3,4%, Dental Medicine : 0.0%, Pharmacy: 0.0 %).

The indicator is fulfilled

Performance Indicator A.3.1.2. *At least 50% of all teaching/research staff involved in teaching/research activities related to training programs for advanced university studies or in individual research/art creation programs have a full-time employment contract for an indefinite period with the IOSUD.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The training program is based on advanced university studies related to the first year of Doctoral School. Research training is provided by the teaching staff of the University of Medicine and Pharmacy "Iuliu Hațieganu" together with guest professors, experts in the field. Over 60% of the total didactic activities related to the doctoral study program managed by the UMPH Cluj-Napoca Doctoral School are delivered by tenured IOSUD teachers/researchers, in compliance with the legislation regarding the degree of loading of the norm with didactic and research activities. However, A particular situation is associated with the module M1- Neurosciences, the optional module with most courses taught by guest professors.

Recommendation:

Increasing the number of tenure teachers in module M1- Neurosciences is recommended.

The indicator is fulfilled

⁴ 3 years for the doctoral university studies with the duration stipulated at Article 159, paragraph (3), respectively 4 years for the doctoral university studies with the duration stipulated at Article 174, paragraph (3) of the Law of national education No.1/2011 with subsequent amendments and additions, with additional extension periods approved as per Article 39, paragraph (3) of the Code of doctoral studies approved by the GD No. 681/2011 with subsequent amendments and additions.



Domain B. EDUCATIONAL EFFECTIVENESS

Under Domain B. Educational Effectiveness; The number, quality, and diversity of candidates enrolled for the admission contest, the content of doctoral programs, the results of doctoral studies and procedures for their evaluation, quality of doctoral theses were analyzed through the internal evaluation report and external evaluation via remote meetings. There were no unmet criteria and performance indicators in this domain. However, the criteria and performance indicators that are partially met in this domain and the recommendations regarding the subject are explained in detail below.

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

Standard B.1.1. Candidates admitted to doctoral studies demonstrate academic, research, and professional performance and are diversified as social representation and by gender.

According to the internal evaluation report of the institution and the information obtained from the online meetings held in the institution, it was determined that candidates admitted to doctoral studies demonstrate academic, research, and professional performance and are diversified as a social representation. By gender, the standard was met. A detailed analysis of the performance indicators is given below.

Performance Indicator *B.1.1.1. *Admission to doctoral study programs is based on selection criteria including previous academic, research, professional performance, interest in science or arts/sports research, publications in the domain, and a proposal for a research subject. Interviewing the candidate is compulsory as part of the admission procedure.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

Admission to doctoral study programs is regulated with Methodology of Admission to Doctoral Studies of the "Iuliu Hatieganu" UMPH Cluj–Napoca. The criteria of admission for the doctoral studies include the candidates' previous professional performance, the candidates, the personal interest of the candidates in specific research, artistic or sports domain, previously published workload, and their proposal for a particular research subject. The pre-admission interview with the candidate is mandatory.

The indicator is fulfilled.

Performance Indicator B.1.1.2. *The IOSUD/doctoral school(s) have a policy for stimulating enrollment of doctoral students from disadvantaged social environments by allocating reserved positions in the admission procedure and/or granting special scholarships and organizing support programs to prevent drop-outs.*



- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

Stimulating the enrollment of doctoral students from disadvantaged social environments is explained in the Methodology for Doctoral Admissions. UMPH allocates unique places for admission and/or social scholarships in order to prevent academic drop-outs. The withdrawal rate of students from doctoral studies between 2016-2019 ranged between 2,54% and 5,50%. During the Directors of CSUD and CSD meeting, it was stated that the main reason for the drop-outs was personal. They also stated that improvements were being discussed regarding drop-outs. Although the rate of students withdrawing from the program yearly is decreasing, the measures taken by the institution for these students are not clear.

Recommendation:

It is suggested that support systems that will prevent the withdrawal of students from the program should be more visible.

The indicator is partially fulfilled.

Criterion B.2. The content of doctoral programs

Standard B.2.1. The training program based on advanced university studies is appropriate for improving doctoral students' research skills and strengthening ethical behavior in science.

The training program based on advanced university studies is appropriate for improving doctoral students' research skills and strengthening ethical behavior in science. Considering the internal evaluation report of the IOSUD and the opinions of the teaching staff, students, graduates, it was decided that the standard was met. A detailed analysis of the performance indicators is given below.

Performance Indicator B.2.1.1. *The training program based on advanced academic studies includes at least three disciplines relevant to the scientific research training of doctoral students; at least one of these disciplines is intended to study in-depth the research methodology or the statistical data processing.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

According to the Code of University Doctoral Studies (HG 681/29.06.2011 and its further adjustments 134/2.03.2016), the doctoral curricula is thought only by the Doctoral School under the coordination of a Ph.D. supervisor includes training based on advanced university studies (1st year of study); individual training program in scientific research (2nd, third and fourth years), according to LEN 1/2011. The list of disciplines and responsible teaching staff are given in the internal evaluation report and its appendices. The education program by advanced university studies includes ten subject areas relevant to scientific research training, one being dedicated to an in-depth study of research methodology. There are also



two subjects on scientific research ethics and standards of scientific publication and publication ethics. At the request of the students, special course modules were developed for the most critical research areas of "Iuliu Hațieganu" UMPH Cluj-Napoca between 2012-2014. Each Ph.D. student can choose one of these modules, thus personalizing the Ph.D. study path with an emphasis on the specific research theme.

The indicator is fulfilled.

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

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The education program by advanced university studies includes ten subject areas relevant to scientific research training, one being dedicated to an in-depth study of research methodology. There are also **two subjects on scientific research ethics and standards of scientific publication and publication ethics**. It is seen that ethical issues are adequately covered in the curriculum, and students will gain sufficient depth in this field.

The indicator is fulfilled.

Performance Indicator B.2.1.3. *The IOSUD has mechanisms to ensure that the academic training program based on advanced university studies addresses "the learning outcomes," specifying the knowledge, skills, responsibility, and autonomy that doctoral students should acquire after completing each discipline or through the research activities⁵.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The training program organized within the Doctoral School aims at the learning outcomes in terms of knowledge, skills, responsibility, and autonomy that doctoral students should acquire after completing each discipline or through research activities. The list of the knowledge, skills, and competencies is given in the annex. Under the legislation in force (Code of doctoral studies, order 3131/2018), the doctoral subject is made to respect the formation of professional and transversal competencies according to the legislation in force.

The indicator is fulfilled.

⁵ Or by what the graduate should know, understand and to be able to do, according to the provisions of the Methodology regarding inscription and registration of higher education qualifications in the the National Register of Qualifications in Higher Education (RNCIS) approved by the Order No.3475/2017 with subsequent amendments and additions.



Criterion B.3. The results of doctoral studies and procedures for their evaluation

Standard B.3.1. Doctoral students capitalize on the research through presentations at scientific conferences, scientific publications, technological transfer, patents, products, and service orders. IOUSUD's doctoral students capitalize on the research through presentations at scientific conferences, scientific publications, technological transfer, patents, products, and service orders. Considering the internal evaluation report of the IOSUD and the opinions of the teaching staff, students, graduates, it was decided that the standard was met.

Performance Indicator B.3.1.1. *For the doctoral school, there are in place mechanisms for verification of the results of doctoral studies in accordance with the specificity of the particular domain (i.e., technological transfer, products, patents in the case of exact sciences; products and services for social sciences and humanities; festivals, contests, recitals, sports competitions; cultural-arts orders in the vocational domain; presentations at national and international conferences, publication of research results in national and international publications, engaging doctoral students in writing research-development projects, etc.)*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

There are mechanisms in place to verify the results of doctoral studies specific for each domain at the IOSUD level (e.g., presentations at national and international conferences, publishing articles/papers in high-impact journals, making the Ph.D. students part of advanced research projects - development projects). These issues are clearly stated in the contracts made with the students, separately for each domain. Additionally, valorization of the results of the doctoral research is given in Annex.

The indicator is fulfilled.

Criterion B.4. Quality of doctoral theses

Standard B.4.1. Doctoral theses fulfill high-quality standards
IOUSUD's doctoral theses fulfill high-quality standards. Considering the internal evaluation report of the IOSUD and the opinions of the teaching staff, students, graduates, it was decided that the standard was met. A detailed analysis of the performance indicator is given below.

Performance Indicator B.4.1.1. *At the level of IOSUD, the percentage of theses non-validated, at the level of General Counsel of the National Council for Attestation of University Degrees, Diplomas and Certificates (CNADTCU), without the right of further amendments and re-organizing the process of public defending, is not exceeding 5% in the last five years.*



- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

At the level of IOSUD, in the evaluated period (academic years 2015-2016 to the academic year 2019-2020), 371 doctoral theses were defended in the fields of Medicine, Dentistry, and Pharmacy. Of these, 201 were in the field of Medicine, 43 in Dentistry, and 42 in the field of Pharmacy. IOSUD the UMPH has no invalidated doctoral theses registration neither in the last five years nor before the last five years without the right of further amendments and re-organizing the process of public defending at CNATDCU General Council level.

The indicator is fulfilled.

Domain C. QUALITY MANAGEMENT

Under the Domain C. Quality Management; Existence and periodic implementation of the internal quality assurance system, transparency of information and accessibility of learning resources, internationalization and system for assurance of ethical and academic integrity, were analyzed considering the internal evaluation report and the results from meetings during the remote external evaluation of the IOSUD UMPH Cluj-Napoca. There were no unmet criteria and performance indicators in this domain too. However, the criteria and performance indicators that are partially met in this area and the recommendations regarding the subject are explained in detail below.

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

Standard C.1.1. There are an institutional framework and procedures in place and relevant internal quality assurance policies applied to monitor internal quality assurance.

There is an institutional framework and procedures to monitor internal quality assurance and relevant internal quality assurance policies. As a result of the analyzes made from the assessed institution's documents and the evaluation visit itself, it was decided that the standard was met. A detailed analysis of the performance indicators and related recommendation/s are given below.

Performance Indicator C.1.1.1. The IOSUD shall demonstrate the continuous development of the evaluation process and its internal quality assurance following a procedure developed and applied at the level of the doctoral school(s), the following assessed criteria being mandatory:

- (a) the scientific work of Doctoral advisors;*
- (b) the infrastructure and logistics necessary to carry out the research activity;*
- (c) the procedures and subsequent rules based on which doctoral studies are organized;*
- d) the academic and social services (including participation in various events, publication of papers, etc.) and counseling made available to doctoral students.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*



A series assure the institutional activity for quality monitoring of concrete structures, policies, and strategies for the quality management of education – learning, teaching, research, administration, auxiliary. The Vice-rectorate for Quality Assurance and International relations is the primary unit responsible for developing and implementing the evaluation system and quality assurance. Its subsidiary section is the Department of Quality Assurance, which is responsible for developing specific tools of teaching activity assessment, putting them into practice, and including the results in the internal university reports. In the scope of the evaluations, the infrastructure and logistics necessary to carry out the research activity, the procedures and following rules based on which doctoral studies are organized, the academic and social services (including participation in various events, publication of papers, etc.) and counseling made available to doctoral students are evaluated. Additionally, the university constantly undertakes actions meant to establish markers for quality assessment following other universities in the country and from abroad.

UMPh Cluj-Napoca's practices in the continuous evaluation of its processes for quality assurance are commendable. However, it is not clear how the scientific work of doctoral advisors is monitored. The fulfillment of habilitation requirements by the doctoral supervisors is given in the internal evaluation report. As seen from the results, the rate of supervisors who did not meet the habilitation criteria was 19.1%. This rate is 23.6% in the Faculty of Medicine. What kind of improvements are planned in line with the results is not specified in the report.

Recommendation:

It is recommended to monitor the scientific studies of doctoral supervisors and to establish mechanisms that allow improvements. It would be beneficial to include the scientific activities of the doctoral supervisors in the regular annual evaluations.

The indicator is partially fulfilled

Performance Indicator C.1.1.2. Students' associations and, according to the case, representatives of students organize elections in the community of doctoral students, for positions in the CSUD, by universal vote, direct and secret, all doctoral students having the right of electing or being elected.

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

CSUD elections take place according to the electoral regulations regarding the elections for the Doctoral School units. The election of representatives of the Ph.D. students as members of CSUD is organized every time a vacancy appears by universal, direct, and secret vote; all Ph.D. students may be elected and may vote. They also have the right to sign the memos of meetings and may intervene or propose upon the discussed subjects. Elections are organized by the students' associations or by students representatives, with the support of the Doctoral School Secretary, without the involvement of academic staff. The information is made public so that all students are informed. Election procedures were also confirmed during online meetings by the students.

The indicator is fulfilled

Performance Indicator C.1.1.3. *Students' associations and, according to the case, representatives of students organize elections in the community of doctoral students at the level of each doctoral school, for positions in the councils of doctoral schools, by universal vote, direct and secret, all doctoral students having the right of electing or being elected.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

CSD elections take place according to the electoral regulations regarding the elections for the Doctoral School units. The election of the Ph.D. students as members of CSD is organized every time a vacancy appears by universal, direct, and secret vote; all Ph.D. students may be elected and may vote. They also have the right to sign the memos of meetings and may intervene or propose upon the discussed subjects. Elections are organized by the students' associations or by students representatives, with the support of the Doctoral School Secretary, without the involvement of academic staff. The information is made public so that all students are informed. Election procedures were also confirmed during online meetings by the students

The indicator is fulfilled.

Performance Indicator *C.1.1.4. *Following the internal evaluation, IOSUD and the doctoral schools draft strategies and policies aiming to eliminate the identified deficiencies and stimulate the scientific and academic performance of IOSUD.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

Strategies and procedures implemented at the doctoral school as measures to continuously improve the quality of doctoral programs are provided in the internal evaluation report. The strategies are given below. Under each strategy, specific measures are identified for stimulating the scientific and academic performance of IOSUD of UMPH Cluj-Napoca.

- Development of the Ph.D. students research skills
- Creation of high-quality scientific research
- Support for the Ph.D. supervisors research activity
- Improvement of the national and international visibility of IOSUD

The operational plan prepared by IOSUD in 2018 for the aspects that need to be developed has also been presented as evidence.

The indicator is fulfilled

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



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

The information of interest to doctoral students, future candidates, and public interest is electronic via the website. The standard was met, and the detailed analysis of the performance indicator is given below.

Performance Indicator C.2.1.1. *The IOSUD publishes on the website of the organizing institution, in compliance with the general regulations on data protection, information such as:*

(a) the IOSUD/Doctoral School regulation;

(b) the admission regulation;

(c) the doctoral studies contract;

(d) the study completion regulation including the procedure for the public presentation of the thesis;

(e) the content of the training study program 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 within the domain with necessary information (year of registration; Advisor);

(h) information on the standards for developing the doctoral thesis;

(i) information on the opportunities for doctoral students to attend conferences, publish articles, award scholarships, etc.

(j) links to the doctoral theses' summaries to be publicly presented and the date, time, place where they will be presented; this information will be communicated at least twenty days before the presentation.

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

IOSUD assures the transparency of the management and provision of doctoral studies at the level of the Doctoral School. The Doctoral School, supported logistically by IOSUD, ensures the online promotion of all information regarding the doctoral programs, particularly the following:

- Regulation of the Doctoral School;
- Admission methodology;
- Procedure of studies completion, including the procedure of public presentation of the thesis;
- Information regarding the organization and evolution of doctoral programs;
- Information regarding the content of doctoral curricula;
- Information regarding the financing and costs for the Ph.D. students;
- The model of the contract of doctoral studies;
- Information regarding the doctoral thesis, standard of writing, procedures, and criteria of evaluation;
- The abstracts of theses to be publicly defended, date and place, at least 20 days before the event;
- Information on the admission of third-party EU countries and the equivalent of studies for EU candidates;
- Other information of interest for Ph.D. students and supervisors, as support for research and thesis writing, career counseling, specific research legislation.



Moreover, IOSUD provides Ph.D. students with specific information regarding the thesis. It has been observed that the transparency and access to specific information regarding the internal quality assurance system for internal and external beneficiaries is quite good.

The indicator is fulfilled.

Standard C.2.2. The IOSUD/The Doctoral School provides doctoral students access to the resources needed for conducting doctoral studies.

The UMPH Cluj-Napoca doctoral students have access to the resources needed for conducting doctoral studies as a library, databases, and research infrastructure. A detailed analysis of the performance indicators and related recommendation/s are given below.

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.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

All doctoral students have access to a platform providing academic databases relevant to the doctoral studies domain of their thesis. The platform has databases that include 25.000 journals and 2300 books. The databases cover a wide range of fields and subjects (Science Direct, Springerlink, ProQuest Central, Oxford Journals, Cambridge Journals, Wiley Online Library, Academic Search Complete, Ebsco Host, Nature), some databases are specialized (Clinical Key, Thieme, Embase, Access Pharmacy, Micromedex, Ovid, European Pharmacopoeia) and some are bibliographic and bibliometric (Clarivate Analytics, Scopus). "Valeriu Bologna" Library grants access for Ph.D. students based on a user account, campus and remotely, to the electronic databases. The library also offers specialized reference searching and the provision of articles on demand.

The indicator is fulfilled.

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

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

All doctoral students have access, upon request, to an electronic system (www.sistemantiplagiat.ro) for verifying the degree of similarity with their Ph.D. thesis. In the internal evaluation report, the process of verifying other work of students was not transparent. In online interviews, it was determined that the similarity program was mainly used for doctoral theses. In the interviews, It was also observed that the students' awareness about the similarity program was limited.

Recommendations:



Increasing doctoral students' awareness about the anti-plagiarism program and encouraging the use of the program for other artistic or scientific works is recommended.

The indicator is partially 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 internal order procedures.

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

Scientific research is one of the missions undertaken by the Charter of the "Iuliu Hațieganu" University of Medicine and Pharmacy Cluj-Napoca. In line with this mission, IOSUD has many research centers and laboratories. To access these research centers and laboratories is regulated by the procedure of access to scientific research laboratories. Any student who wishes (from medicine, dental medicine, and pharmacy) can access these laboratories. The Ph.D. students also had access to the research center/unit of her/his supervisor available on the ERRIS platform.

The indicator is fulfilled.

Criterion C.3. Internationalization

Standard C.3.1. IOSUD/Doctoral school has a strategy in place, and it is applied to enhance the internationalization of doctoral studies.

The IOSUD/Doctoral school has a strategy to increase the internationalization of doctoral studies. The institution's internal evaluation report, the presented evidence, and the interviews conducted during the online visit demonstrated that this strategy was implemented effectively. As a result of the analyzes made from the assessed institution's documents and the evaluation visit itself, it was decided that the standard and critical performance indicators were met. The detailed analyzes are presented below.

Performance Indicator *C.3.1.1. IOSUD, for every doctoral school, has concluded mobility agreements with universities abroad, with research institutes, with companies working in the field of study, aimed at the mobility of doctoral students and academic staff (e.g., ERASMUS agreements for the doctoral studies). At least 35% of the doctoral students have completed a training course abroad or other mobility forms such as attending international scientific conferences. IOSUD drafts and applies policies and measures to increase the number of doctoral students participating in mobility periods abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The UMPH Cluj Napoca has mobility agreements with 37 universities and four health institutions from 14 countries of Europe. The mobility agreements are valid at making the self-assessment report applicable



to cycle III studies in Annex. Programs such as ERASMUS, AUF, and CEEPUS are used as financial support for the mobility of doctoral students and doctoral supervisors. Within the CEEPUS program, the mobilities did not exceed two months, and within the AUF program - Eugen Ionescu between 2 and 6 months in the reporting period. Erasmus mobilities that have exceeded three months. Thus, during the evaluation period, 7.9% of IOSUD UMPH Cluj-Napoca doctoral students benefited from Erasmus mobility (6.0%) or "Eugen Ionescu" scholarships (1.9%). Another tool to increase the scientific performance of doctoral students is internal and transnational mobility, facilitated through POSDRU projects carried out within the university. They offer doctoral students the opportunity to exchange good practices carried out in partnership with prestigious national and international universities. In this sense, 25 transnational mobilities took place within two projects ("Strategic partnership for increasing the quality of scientific research in medical universities by awarding doctoral and postdoctoral fellowships - DocMed.net_2.0" and "Institutional collaborative model for translating biomedical scientific research into clinical practice - TRANSCEND." In 2016 and 2017, 20 of the IOSUD UMPH Ph.D. students received support through the POCU program, and nine enrolled in 2016 and 11 in 2017.

It has been stated in IOSUD's internal evaluation report that at the IOSUD level, there is no evidence of doctoral students regarding their participation in scientific events in the country and abroad. Consequently, the graduates of the third cycle of study from the evaluated period (2014-2019) and respectively the Ph.D. students in internship were asked at the beginning of 2020 to report the participations in the scientific events in the country and abroad. For the Pharmacy field, 39.58% (19) of Ph.D. students benefited from mobility, participated in courses abroad or scientific events abroad, or had Summer Schools organized by CEPUS networks. Starting with the academic year 2019-2020, when submitting the documents necessary for the public defense of the doctoral thesis, the graduates of the Doctoral School complete online a series of data, including participation in national and international scientific events. Forty-nine of the 57 graduates (86.0%) provided the Doctoral School with information on conference attendance, with the percentage of respondents ranging from 87.2% (Medicine) to 81.8% (Dentistry). Additionally, during 2015 - 2020 the university financed, totally or partially, the mobilities for Ph.D. supervisors.

It has been determined that there is no effective mechanism at the IOSUD level that monitors the participation of doctoral students in national and international scientific activities.

Recommendations:

It is recommended to establish a system that will regularly monitor and evaluate the participation of doctoral students in national and international scientific activities.

The indicator is partially fulfilled.

Performance Indicator C.3.1.2. *IOSUD supports, including providing financial support, to the organization of doctoral studies in international co-tutelage or invitation of leading experts to deliver courses/lectures for doctoral students.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

IOSUD supports, including providing financial support, to the organization of doctoral studies in international co-tutelage or invitation of leading experts to deliver courses/lectures for doctoral students.



At the level of IOSUD UMPH Cluj-Napoca, 23 of the doctoral theses defended in the period 2013-2020 were carried out in co-supervision or co-direction, most with researchers from France (14), with researchers from UBB Cluj-Napoca (2), with another researcher from UMFIIH (1), Bucharest (1), Carol Davila University of Medicine and Pharmacy (1), Târgu Mureş University of Medicine and Pharmacy (1), Greece (1), Spain (1) and Austria (1), respectively. Fifteen of these theses have been defended in the last five years: It is seen that guest lecturers deliver some courses, or they are invited to give lectures. The Doctoral School currently numbers 17 staff from other countries who teach modules in the 1st year of advanced training. UMPH Cluj-Napoca assures the dissemination of research results by financing participation in international workshops and conferences through the PCD program.

The indicator is fulfilled.

Performance Indicator *C.3.1.3. *At least 10% of the doctoral theses of every doctoral school of the IOSUD are drafted and/or submitted in an international foreign language or are organized in international co-tutelage.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

At the level of IOSUD UMPH Cluj-Napoca, from the academic years 2014-2015 until the academic year 2019-2020, 53 of the doctoral theses defended were written in English, cumulating a percentage of 12% for the evaluated period:

The indicator is fulfilled.

Performance Indicator C.3.1.4. *The internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees⁶, etc.).*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

One of the IOSUD objectives is "internationalization of education and research. To fulfill this objective, IOSUD took some actions such as supporting European and international projects submission and establishing international research teams that would include Ph.D. students. It has also been observed that UMFCD carried out some activities for improving internalization. The fairs were attended in Kazakhstan, Germany, Berlin by UMPH Cluj-Napoca. Sixteen doctoral theses were defended in 2015-2020 with twenty-six international experts in the public support committee of the thesis.

Even some internationalization activities were reported, results and concrete measures are limited

⁶ Doctoral studies are completed by presenting the doctoral thesis in public session in front of a committee whose members hear and judge the final public presentation of the thesis



Recommendations:

Improving the internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., *by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees, etc*) should be recommended.

The indicator is partially fulfilled.

Criterion C.4. System for assurance of ethical and academic integrity

Standard C.4.1. IOSUD/Doctoral school has a functional and efficient system in place for prevention and assuring ethical and academic integrity norms

As a result of the analyzes made from the assessed institution's documents and the online evaluation meetings, it was decided that the standard was met. IOSUD/Doctoral school has a functional and efficient system for prevention and assuring ethical and academic integrity norms. A detailed analysis of the performance indicators and related recommendation/s are given below.

Performance Indicator C.4.1.1. IOSUD applies the current provisions regulating ethics, deontology/academic integrity, respectively to academic freedom and has developed:

- *policies based on prevention regarding possible violations of the Code of ethics and academic integrity, demonstrated by public positioning, studies, analyses, or measures are taken;*
- *practices and mechanisms for preventing fraud, from an institutional perspective as well as from the perspective of the doctoral students;*
- *practices for preventing possible fraud in academic activity, research, or any other activity, including active measures for preventing and avoiding plagiarism of any kind, as well as promoting ethical and integrity/deontology principles or observing intellectual property norms, authors' rights, and other related rights, among all members of the academic community;*
- *administrative instruments which allow applying effective and eliminatory sanctions;*
- *mechanisms and measures to assure equal opportunities and protection against intolerance and discrimination of any kind;*

IOSUD monitors and permanently evaluates these practices and can prove they are applied to all activities and engagement of students in all these processes, and the results of the monitoring are made public yearly or whenever it becomes necessary.

The IOSUD activity of the "Iuliu Hațieganu" University of Medicine and Pharmacy Cluj-Napoca is governed by the Code of University Ethics and Deontology, an integral part of the University Charter and by the legal provisions in force. Compliance with this Code is the responsibility of the entire academic community: teachers, students in all cycles of university studies, and administrative staff. An essential role in evaluating academic ethics and integrity is represented by the Ethics Commission, which carries out its activity based on its regulations, an integral part of the University Charter. The university ethics commission is a structure of the "Iuliu Hațieganu" University of Medicine and Pharmacy Cluj-Napoca, subordinated to the university Senate composed of persons with professional prestige and



moral authority. The Ethics Commission is entitled to receive, evaluate and validate notifications and complaints regarding violations of the University's Code of Ethics and Deontology. The Ethics Commission is obliged to draw up an annual report covering its activity and apply sanctions under its Regulations.

The research studies carried out by the doctoral students are approved by the Ethics Commission of Scientific Research, which meets periodically for the approval of clinical studies and animal experiments. The activity reports of this commission are available online. The Ph.D. students are informed about scientific, professional, and ethical norms by forming specific competencies within the training program through advanced university studies and the doctoral supervisor. In order to ensure efficient monitoring of the doctoral theses and ensure their originality, the University uses the system service Sistemantiplagiat.ro. which is found in the programs recognized by CNATDCU and used at the level of higher education institutions organizing doctoral studies and the Romanian Academy to establish the degree of similarity for scientific papers, according to MENCȘ Order no. 3485 / 24.04.2016. According to article 36 par. (2) of the Regulations of the Doctoral School of IOSUD UMPH Cluj-Napoca, the Ph.D. thesis can only be submitted with the attached similarity report and the approval of the ethics committee, whenever the case

Considering the current implementations of IOSUD, it is noticeable that verification and control mechanisms to prevent fraud in academic activity, research, or any other activity; plagiarism and the practices; administrative instruments which allow applying effective and eliminatory sanctions; mechanisms and measures to assure equal opportunities and protection against intolerance and discrimination of any kind are precise (Code of university deontological ethics, regulations of the scientific activity).

The indicator is fulfilled

Performance Indicator C.4.1.2. *All intimations regarding suspicion of plagiarism related to doctoral theses have been analyzed and resolved by the IOSUD within the time interval legally established for expressing its position regarding the intimation received in writing.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

According to the internal evaluation report of IOSUD, *all intimations regarding suspicion of plagiarism related to doctoral theses have been analyzed and resolved by the IOSUD within the time interval legally established for expressing in writing its position regarding the intimation received. This information was also confirmed during interviews.*

The indicator is fulfilled

Performance Indicator C.4.1.3. *Annual Reports of the Ethics Commission of the IOSUD contain information on the stage of solving each case of intimation or own-initiative intimation regarding violation of norms or ethical aspects relevant for university doctoral studies.*



- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The annual reports of the Ethics Commission of IOSUD include information on the solution in each case and the breaking of ethical standards, the examination of these reports does not reveal any delays in solving the case, according to the national and institutional rules.

The indicator is fulfilled

Performance Indicator C.4.1.4. *The measures taken by IOSUD after the final decision of CNADTCU to withdraw the title of "doctor" following accusations of plagiarism have addressed all the aspects mentioned in CNADTCU's decision and in the current legislation.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

The measures are taken by IOSUD following the final decisions of the CNATDCU to withdraw the doctor's degree following the plagiarism notifications covered all the aspects provided in the CNATDCU decision and the legislation in force. At the level of the University of Medicine and Pharmacy "Iuliu Hațieganu" Cluj-Napoca, the University Ethics Commission monitors, controls, and ensures respect for university ethics in all university activities. Also, the development of clinical and experimental studies is conditioned by the opinion of the Ethics Commission of Scientific Research. Also, to guarantee quality scientific research, the university has purchased since 2011 software for detecting plagiarism (www.sistemantiplagiat.ro) so that all doctoral theses defended in IOSUDs are subject to antiplagiarism evaluation. For each verified paper, this software generates a Similarity Report that indicates the values of coefficients 1 and 2, then analyzed by the doctoral supervisor, who draws up the resolution on the acceptance for the pre-presentation of the paper. Given these measures taken, there have been no cases of withdrawal of the doctorate from UMPH.

The indicator is fulfilled

Performance Indicator C.4.1.5. *The measures aiming to prevent academic fraud in the doctoral studies, taken by IOSUD, could be:*

- a) Suspension of the right to advise newly enrolled doctoral students, for three years, in the case of doctoral advisors having coordinated a doctoral thesis with a definitive decision of withdrawal of the "doctor" title for plagiarism;*
- b) Exclusion from the IOSUD of the doctoral advisor having coordinated at least two doctoral theses with definitive decisions of withdrawal of the "doctor" title for plagiarism;*



c) *Suspension of the right to organize the admission process of new doctoral students in the Doctoral studies domain for two years if in the respective domain a doctoral thesis has been finalized and defended with a definitive decision of withdrawal of the "doctor" title for plagiarism.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Evaluation visit itself.*

The measures aiming to prevent academic fraud in the doctoral studies taken by IOSUD are specified in Annex titled "Procedures in case of definitive decisions of CNATDCU to withdraw the Ph.D. degree." The procedure includes suspensions of doctoral supervisors (suspension of the right to advise newly enrolled doctoral students, exclusion from the IOSUD, suspension of the right to organize the admission process of new doctoral students in the Doctoral studies domain, etc.).

In the case of the final decisions of the CNATDCU to withdraw the doctoral title following the plagiarism notifications, IOSUD will apply the aspects provided in the CNATDCU decision under the legislation in force.

The indicator is fulfilled

Performance Indicator *C.4.1.6. *The scientific reviewers' members in the commissions for public defense of two or more doctoral theses with definitive decisions of withdrawal of the "doctor" title for plagiarism have not been nominated in other commissions for public defense of doctoral theses for at least three years.*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*

Procedures in case of definitive decisions of CNATDCU to withdraw the Ph.D. degree includes measures to scientific reviewers who were part of the commissions for public support of doctoral theses with a final decision to withdraw the doctoral degree for plagiarism.

The indicator is fulfilled

Performance Indicator C.4.1.7. *IOSUD has a database open to the public containing all the doctoral theses defended in the institution beginning at least in 2016 in a format including the domain, author, doctoral advisor, title of the thesis, and the thesis in electronic format (if there is an agreement of the author).*

- *Description of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*
- *Analysis of the facts, the findings from the assessed institution's documents, and the evaluation visit itself.*



IOSUD has a public database indexing all the Ph.D. theses starting from 2016 and earlier; data includes name, the surname of the doctoral student, name, surname of doctoral supervisor, members of the public support commission, the grade awarded, a summary of the doctoral thesis (Romanian and English). Under the legislation in force, the doctoral theses defended starting June 2016 are uploaded on the Ministry of Education and Research platform, respecting the declaration signed at the submission of the thesis on the agreement that the digital form of the thesis be made public on the national platform. As of the date of the report, 187 theses are uploaded on the platform of the Ministry of Education and Research, with the precise specification of access to the doctoral thesis.

The indicator is fulfilled

IV. SWOT Analysis

<u>Strengths:</u>	<u>Weaknesses:</u>
<ul style="list-style-type: none"> • The University has a large number of Ph.D. supervisors of IOSUD, and their scientific quality • There are multi-center studies of IOSUD • The University has a large number of Ph.D. supervisors who hold the habilitation certificate • Most of the doctoral supervisors took part in the projects • The doctoral school is a school preferred by candidates. • Doctoral supervisors have publications in high impacted journals and existing patent applications • Level of involvement of the Ph.D. supervisors in attracting research funds by participation in internal and international competitions • There are 15 experienced foreign researchers working and teaching in IOSUD as of the report prepared. • UMF Iuliu Hatieganu Cluj-Napoca was ranked among the top 1000 universities globally, on the 196th place from the emerging economies countries, on second place in Romania in the rankings of THE. The university was also ranked in other ranking systems. • There is one extensive "Valeriu Bologa" 	<ul style="list-style-type: none"> • A small number of jointly elaborated theses • Lack of Ph.D. supervisors for specific medical specialties • A small number of international Ph.D. students • A small number of places financed from the state budget compared to the demand and the number of Ph.D. supervisors • IT system building studies are at the beginning level to monitor the progress of doctoral students • Difficulty in researching doctoral students during the pandemic • The similarity system is used only for doctoral theses, not for other artistic or scientific works of students • The awareness of the students about the similarity program is limited. • There is no joint platform in which the students can access whatever they need for their doctoral studies • Limited digitalization in the processes.



<p>library</p> <ul style="list-style-type: none">• There are control mechanisms to improve the development of processes• Providing funding support to young researchers• Financing through internal resources of an essential part of doctoral research through internal grants and PCD projects;• The effective leadership and motivation of administrators to improve the quality of doctoral studies• Internalization of continuous improvement by all students, instructors, and administrators• Potential of graduates to publish in high-impact journals• There is a modern research infrastructure of the university to support the conduct of doctoral studies' specific activities and have national and international agreements for using various research infrastructures• Existence of efforts to raise funds from internal and external sources for the renewal of research infrastructure• There is a mechanism to encourage the students to publish• A strong relationship with employers of graduates.• The measurement of the degree of satisfaction of the doctoral students and supervisors towards the quality of the organization and development of the doctoral program• Reflecting student views on curriculum update studies• The UMFCDD has many international agreements.• Most of the students and supervisors had at least one international activity in the last five years• Participation of students in teaching activities (as some of them work on teaching after graduation)• There is an effective relationship between	
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<p>doctoral students and doctoral school personnel</p> <ul style="list-style-type: none"> • Training the Ph.D. students and providing counseling to conduct their researches. • There are multidisciplinary research centers. • There are optional courses for the Ph.D. student to get them familiar with research centers. 	
<p><u>Opportunities:</u></p> <ul style="list-style-type: none"> • Existence of the programs that can provide national and international funding for research • Existing regulations for the organization of doctoral studies in the country • Increase in employment rates of doctoral graduates at the national and international level, increase in the number of research-oriented institutions • stimulation of academic staff to achieve the habilitation certificate; • existence of interdisciplinary collaboration between the Doctoral School and international universities; • Many institutions, research centers, laboratories, etc., can be cooperated throughout the country for doctoral studies. • Evidence-based health practices are becoming more valuable every day, and there is a need for doctoral graduates who will produce evidence. • There are a variety of international exchange opportunities for the students and doctoral supervisors among European countries and around the world. 	<p><u>Threats:</u></p> <ul style="list-style-type: none"> • Limitation of research competitions for the fields of Dentistry and Pharmacy • Poor funding through doctoral grants, respectively institutional development grants • The low quotas are given to Exchange programs at the institutional level • A limited number of workplaces that allow graduates of doctoral programs to work with a research focus • Unpredictable legislation, with numerous changes regarding the doctoral studies • Lack of projects of human resource development for doctoral research • Migration of health sciences graduates to institutions and labor market of other countries • There is no legal regulation for joint-supervision.

V. Overview of judgments awarded and of the recommendations

No.	Type of indicator (*, C)	Performance indicator	Judgment	Recommendations
1	C	A.1.1.1.	Fulfilled	
2	C	A.1.1.2.	Fulfilled	-
3	*	A.1.1.3 ⁷ .	Fulfilled	-
4	C	A.1.2.1.	Partially fulfilled	It is recommended to complete IT system infrastructure building works for monitoring the doctoral students and create mechanisms for evaluating its effectiveness
5	C	A.1.2.2.	Fulfilled	
6	C	A.2.1.1.	Fulfilled	
7	C	A.2.1.2.	Fulfilled	
8	C	A.2.1.3.	Fulfilled	
9	*	A.3.1.1.	Fulfilled	
10	C	A.3.1.2.	Fulfilled	
11	*	B.1.1.1.	Fulfilled	
12	C	B.1.1.2.	Partly Fulfilled	It is suggested that support systems that will prevent the withdrawal of students from the program should be more visible.
13	C	B.2.1.1.	Fulfilled	
14	C	B.2.1.2.	Fulfilled	
15	C	B.2.1.3.	Fulfilled	
16	C	B.3.1.1.	Fulfilled	
18	C	B.4.1.1.	Fulfilled	
		C.1.1.1.	Partly	It is recommended to

⁷ The indicators marked with an asterisk (*) hold a special status, referring exclusively to the evaluation of doctoral schools, as per Article 12 from the annex No.1 of the Order of the minister of education No. 3651/12.04.2021 approving the Methodology for evaluating university doctoral studies and the system of criteria, standards and performance indicators used in the evaluation. In case they are not fulfilled, the Agency extends a period of maximum 3 years to IOSUD to correct the respective deficiencies.

			Fulfilled	monitor the scientific studies of doctoral supervisors and to establish mechanisms that allow improvements. It would be beneficial to include the scientific activities of the doctoral supervisors in the regular annual evaluations
19	C	C.1.1.2.	Fulfilled	
20	C	C.1.1.3.	Fulfilled	
21	*	C.1.1.4.	Fulfilled	
22	C	C.2.1.1.	Fulfilled	
23	C	C.2.2.1.	Fulfilled	
24	C	C.2.2.2.	Partially Fulfilled	Increasing doctoral students' awareness about the anti-plagiarism program and encouraging the use of the program for other artistic or scientific works is recommended.
25	C	C.2.2.3.	Fulfilled	
26	*	*C.3.1.1.	Partially fulfilled	It is recommended to establish a system that will regularly monitor and evaluate the participation of doctoral students in national and international scientific activities.
27	C	C.3.1.2.	Fulfilled	
28	*	*C.3.1.3.	Fulfilled	
29	C	C.3.1.4.	Partially fulfilled	Improving the internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., by participating in

				<i>educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees, etc) should be recommended</i>
30	C	C.4.1.1.	Fulfilled	
31	C	C.4.1.2.	Fulfilled	
32	C	C.4.1.3.	Fulfilled	
33	C	C.4.1.4.	Fulfilled	
34	C	C.4.1.5.	Fulfilled	
35	*	*C.4.1.6.	Fulfilled	
36	C	C.4.1.7.	Fulfilled	

The recommendations contained in the report shall be resumed in the indicators' analysis. Other general recommendations may be made that do not fit within a particular indicator.

VERY IMPORTANT. – Each identified weakness must be correlated with at least one recommendation to improve the situation! No weakness can be identified without formulating at least one recommendation regarding the way it could be corrected!

VI. Conclusions and general recommendations

Several important issues raised during the evaluation are resumed, and some general conclusions are drawn on the quality of the education provided by the IOSUD under review; the Experts Panel also presents general assessments about the institution. Other general recommendations may also be presented, which cannot be related to a specific indicator and have not been presented at point V.

A decision is proposed, together with the reasons for granting it (if the Experts' Panel members do not reach a consensus, each of them can propose and argue his/her own decision).

This report is based on my experiences. I hope that this report I have prepared will improve the institution's quality assurance processes of doctoral education. According to the analysis of the IOSUD UMPH Cluj-Napoca internal evaluation report, report annexes, web page, and the results obtained from different meetings during the remote evaluation, it has been determined that the critical standards under institutional capacity, educational effectiveness, and quality management have been met. The institution's doctoral education programs and graduates can create added value in the country, the European region, and the world. The efforts of the IOSUD of UMPH Cluj-Napoca towards the sustainability of its success in the future are visible. Managers, employees, and students also seem to internalize continuous improvement. Therefore, **I recommend accrediting IOSUD Iuliu Hațieganu" UMPH Cluj-Napoca.** However, my recommendations for improving the quality assurance processes of doctoral education at the level of IOUSUD UMPH are presented below:



- Completing the establishment of IT infrastructure for monitoring the doctoral students and creating mechanisms for evaluating its effectiveness
- Increasing doctoral students' awareness about the anti-plagiarism program and encouraging students to use the similarity system for other existing scientific or artistic works.
- Making support systems more visible. To prevent withdrawal of students from the program.
- Increasing the number of tenure teachers in the module M1- Neurosciences
- Establishing a system that will allow to regularly monitor and evaluate doctoral students' national and international scientific activities.
- Improving the internationalization of activities carried out during the doctoral studies is supported by IOSUD through concrete measures (e.g., *by participating in educational fairs to attract international doctoral students; by including international experts in guidance committees or doctoral committees*)
- Monitoring the scientific studies of doctoral supervisors and establishing mechanisms that allow improvements
- Implementation of increased digitalization in all processes
- Maintaining relations with graduates through more structured mechanisms
- Increasing the number of jointly elaborated theses
- Implementation of strategies to increase state budgeted project support
- Taking process facilitating measures (follow-up of technical works, simplifying bureaucratic processes, preparing the research drafts online, etc.)
- Creating joint platforms in which the Ph.D. students can access whatever they need for their doctoral studies

At the end of the report, I would like to thank the Rector of Iuliu Hațieganu UMPH Cluj-Napoca, the entire management, the university staff, students, graduates, graduates' employers for creating a collaborative environment during the meetings. I also thank IOSUD evaluation director-Prof Ioan Lascăr, IOSUD committee coordinator- Prof. Liliana Marcela Rogozea, Ph.D. student evaluator- Alexandra-Simona Zamfir, and IOSUD expert evaluator- Prof. Alexandru Bucur for the environment they have created for effective teamwork during the external evaluation. Lastly, I would like to extend my special thanks to ARACIS for inviting me as an international expert to the external evaluation of Iuliu Hațieganu UMF Cluj-Napoca's IOUSUD, and thanks to Vlad Popescu for his kind support throughout the process.

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November 30, 2021



VII. Annexes

The following types of documents shall be attached:

- *The detailed schedule of the evaluation visit – MANDATORY.*
- *The survey questionnaire was applied to doctoral students or academic staff affiliated to the IOSUD under review, the results - optional (e.g., in graphic form) and their interpretation - if applicable.*
- *Scanned documents – any document requested from the IOSUD during the evaluation visit and received, which is not found in the internal evaluation file received before the visit and referred to in the report.*
- *Pictures – if relevant issues are raised regarding the condition of the student residences, cafeterias, premises for teaching and learning activities, library, etc.*
- *Screenshots/Print screens of the Doctoral School(s)/IOSUD website prove specific claims in the report, accompanied by the date they were accessed and saved.*
- *Any other documents relevant to the evaluation process referred to in the report.*