



Annex No. 3

**The External Evaluation Report of the Chemistry Doctoral
Study Domain
UNIVERSITĂȚII DIN CRAIOVA**

Preliminary report by
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I. Introduction¹

The report shows the details and conclusions obtained by the International Expert during the online evaluation of the Chemistry domain in the PhD Doctoral Field. The online meetings took place during the week July 5-9 2021 with the schedule shown in Annex VII.1.

The expert's committee was composed by:

- Prof. Ionel Ciucanu, coordinator of the evaluation panel
- PhD student Constantin Munteanu
- Prof. Jordi Villà-freixa, international expert

The University of Craiova is a state higher education institution established by Law no. 138 of April 25, 1947 and with a long tradition as an institution organizing doctoral university studies. The first doctoral study programmes organized within the University of Craiova were in the field of Agronomy, specialisation - Botany, by Professor Alexandru Buia, who coordinated the doctoral research activity as a doctoral supervisor during 1960-1964. In 1988, the University of Craiova counted 15 full-time doctoral supervisors and another 10 part-time doctoral supervisors. Since 1990, the activity of doctoral scientific research has increased and diversified, as a result of the increase in the number of graduates having the right to pursue doctoral studies, but also the increase in the number of teaching staff of the University of Craiova who were granted the right to supervise Doctoral theses.

The Chemistry Domain is part of the Doctoral School of Sciences, which counts 22 doctoral supervisors with excellent impact in terms of publications. this Domain counts 3 doctoral supervisors and one doctoral supervisors in the specific field of chemical engineering:

- Assoc. Prof. Chiriță Paul, PhD - Inorganic Chemistry
- Prof. Mureșeanu Mihaela, PhD - Analytical chemistry
- Prof. Popescu Alexandru, PhD - Analytical chemistry (part time, retired)
- Prof. Samide Adriana, PhD - Electrochemistry and corrosion - Affiliated doctoral supervisor - Chemical Engineering

All doctoral supervisors have publications indexed in Web of Science, with impact factor, and other achievements, with relevance for the field of Chemistry, and have had international visibility in the last 5 years, as members of the scientific committees of international conferences. Over 50 papers were published in ISI journals by the 4 members of the Doctoral School in the field of Chemistry and Chemistry Engineering in the period 2016-2020. Over 40 participations in some national / international conferences in the period 2016-2020.

In terms of students, the Chemistry Domain currently has 1 second year students, 2 third year students, 2 students that have interrupted their studies, 1 student with an extension and 4 thesis already defended (one of them still not validated by CNATDCU).

¹ Each time when applicable the information shall be presented gender-wise.



II. Methods used

The evaluation panel for the Chemistry Domain participated in all online meetings organized by the commission at the University of Craiova. The meetings were roughly productive at times, as the number of participants was too large and after presentations there was not much left for Q/A and discussion. In addition, we lacked preparatory sessions with the team (both previous to the evaluation and post evaluation), surely due to the strong workload these days. To compensate this, the program evaluation coordinator at the University of Craiova, Prof. Chirita, who kindly provided additional information on request, was extremely useful to finish the assessment and he is acknowledged for his involvement.

The self evaluation report is clear and pretty complete. As stated in the previous paragraph, the information was completed with additional files sent by the evaluation contact person, Prof. Chirita. The information of the SER is interesting as it shows the comparison between the different domains in the Doctoral School, which helps put the Chemistry domain into perspective. From the information provided one could conclude that the external limitations of the system in terms of accreditations is a handicap to grow, but this evaluator would like to point out the importance of internationalization and talent management to ensure the future of the Domain and the positioning of the university as a whole. Many of the limitations detected in the evaluation report may be corrected by further promoting openness of the organization in terms of international and industrial relationships.

The documentation provided by the IOSUD was difficult to assess by this evaluator due to language restrictions, but the SER is clear enough and was nicely complemented by the additional information provided during the visit, so the analysis done by this evaluator is close to optimal. The feedback from the site visit is positive, as communicated by the other two members of the team.

As stated by the schedule in Section [VII. 1. Detailed schedule of the visit](#) the meetings were organized by the commission with the several stakeholders of the chemistry doctoral study domain:

- 1) doctoral students,
- 2) graduates,
- 3) school officials,
- 4) doctoral advisors,
- 5) representatives of the Council of the Doctoral School, the Quality Assessment and Assurance Commission, the Quality Assurance Department, the Ethics Commission

In addition, the doctoral student member of the commission organized a questionnaire to the PhD students.

III. Analysis of ARACIS's performance indicators

Domain A. INSTITUTIONAL CAPACITY



Criterion A.1. The administrative, managerial institutional structures and the financial resources

Standard A.1.1.

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

Performance Indicator A.1.1.1.

The existence of specific regulations and their application at the level of the Doctoral School of the respective university doctoral study domain:

- (a) the internal regulations of the Doctoral School;*
- (b) the Methodology for conducting elections for the position of director of the Council of doctoral school (CSD), as well as elections by the students of their representative in 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);*
- 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 (Council of the doctoral school), giving as well proof of the regularity of meetings;*
- f) the contract for doctoral studies;*
- g) internal procedures for the analysis and approval of proposals regarding the training for doctoral study programs based on advanced academic studies.*

Description

The Doctoral School of Sciences has its own operating regulations and a methodology for appointing the CSUD members of the UCV (Annex [C.8](#)). The Field of doctoral studies of Chemistry carries out its activity within the Doctoral School of Sciences and periodically drafts a Self-evaluation Report (Annex [C.9](#)). The criteria considered are:

- the scientific activity of doctoral supervisors;
- the infrastructure and facilities required for carrying out the research activity; • the procedures and subsequent norms on the basis of which the doctoral studies are organized;
- the scientific activity of doctoral students;
- training programme based on advanced university studies.

A series of regulations and methodologies for organizing and carrying out the doctoral activity have been applied in the last 5 years:

1. The IOSUD Regulation for the organization and development of doctoral studies and the regulation of the Doctoral School of Sciences (Annex [A.2](#)).
2. The methodology for conducting the elections at the level of the Doctoral School of Sciences (Annex [A.2](#), Annex [A.3](#), Annex [A.4](#) and Annex [A.5](#)) and the methodology for conducting the competition for the position of director of the Doctoral School of Sciences (Annex [A.6](#) and Annex [A.7](#)).
3. Methodology for organizing and conducting doctoral studies, admission and completion of



- doctoral studies (Annex A.2).
4. At IOSUD University of Craiova there are mechanisms for recognizing the status of doctoral supervisor and for equivalence of the doctoral degree obtained in other states (Annex A.8).
 5. At the Doctoral School of Sciences there are functional management structures, which coordinate the doctoral activity at each level. Meetings of the Council of the Doctoral School of Sciences are convened periodically, as well as meetings with all the doctoral supervisors of the Doctoral School of Sciences (Annex A.9).
 6. IOSUD - The University of Craiova signs doctoral university study contracts with all students admitted to the doctoral studies, both in the form of state-budgeted education and tuition fee (Annex A.10).
 7. There are specific procedures regarding doctoral university studies (Annex [A.2](#)).

Analysis

Based on the facts and after the online meetings, it was made clear that the Chemistry Domain is embedded in a working Doctoral School with the proper regulatory framework.

Recommendations

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

According to the SER, the mandatory criteria, procedures and standards regarding the Code of Doctoral Studies are taken from the Government Decision no. 681/2011 (Annex [A.11](#)), art. 17 para. (5), with subsequent amendments and completions by Government Decision no. 134/02.03.2016. The Regulation of the Doctoral School of Sciences (Annex [A.3](#)) establishes mandatory criteria, procedures and standards regarding the following aspects:

1. the affiliation of new doctoral supervisors, as well as regulations regarding the manner in which a doctoral supervisor may withdraw from the doctoral school: Articles 4 and 5 of the Doctoral School of Science Regulations;
2. decision-making mechanisms regarding the opportunity, structure and content of the training programme based on advanced university studies: Articles 12-16 of the Regulations of the Doctoral School of Sciences;
3. the procedures for replacing the doctoral supervisor of a doctoral student and the procedures for mediating conflicts: Article 43 of the Regulations of the Doctoral School of Sciences;
4. the conditions under which the doctoral programme may be interrupted: Article 35 of the Regulations of the Doctoral School of Sciences;



5. the modalities of fraud prevention in scientific research, including plagiarism: Article 38 of the Regulations of the Doctoral School of Sciences;
6. ensuring access to research resources: Article 39 of the Regulations of the Doctoral School of Sciences;
7. attendance obligations of doctoral students: Article 29 of the Regulations of the Doctoral School of Sciences.

Analysis

The regulatory framework is clear and the university complies with the requirements

Recommendations

The indicator is fulfilled

Standard A.1.2.

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

Performance Indicator A.1.2.1.

The existence and effectiveness of an appropriate IT system to keep track of doctoral students and their academic background.

Description

According to the SER, the Student Records Information System of the University of Craiova (<http://cis01.central.ucv.ro/evstud/>) contains and processes the data of students from cycle III, Doctoral studies, as well as those of other students. After enrollment, any change in the status of the doctoral student is recorded in the electronic records at the level of the corresponding secretariats of the faculty within which the Doctoral School operates. The secretary appointed for the processing of doctoral students' data downloads in the Student Records the data on the exams and research reports taken, on interruptions, extensions, transfers from one supervisor to another, payment of fees, public defence of the thesis.

The Student Records Information System generates annual or current statistical data on doctoral students of IOSUD - University of Craiova. The Office of Doctoral Studies of IOSUD - University of Craiova, based on the Minister Order on conferring the PhD title, verifies all data on the schooling of doctoral students in the Student Records and generates tables with graduates based on which doctoral diplomas are issued.

Access to and processing of information in the database is done only by authorized persons, based on a password. To access their student records and for other information of general interest, each student has a password generated by the Information System.

Access is provided from the web page: <http://cis01.central.ucv.ro/evstud/>. Annex [A.12](#) presents the description of the Information system for doctoral students records, IOSUD - University of Craiova, and a screenshot of a doctoral student records is provided (Annex [A.13](#)).

Analysis



The requirements based on the Ministry Order for Doctoral Studies are accomplished in terms of the IT system.

Recommendations

The indicator is fulfilled

Performance Indicator A.1.2.2.

The existence and use of an appropriate software program and evidence of its use to verify the percentage of similarity in all doctoral theses.

Description

According to the SER, the University of Craiova ensures the verification of the authenticity and originality of doctoral theses and other scientific papers with the help of the www.sistemantiplagiat.ro software, recognized by the National Council for Attesting Titles, Diplomas and Certificates (CNATDCU), according to art. 2 of the Ministry of Education (MEN) Order No. 3485 of 04.04.2016.

Analysis

The antiplagiarism tools are in place and are used effectively.

Recommendations

The indicator is fulfilled

Standard A.1.3.

The IOSUD makes sure that financial resources are used optimally, and the revenues obtained from doctoral studies are supplemented through additional funding besides governmental funding.

Performance Indicator A.1.3.1.

Existence of at least one research or institutional / human resources development grant under implementation at the time of submission of the internal evaluation file, per doctoral study domain under evaluation, or existence of at least 2 research or institutional development / human resources grant for the doctoral study domain, obtained by doctoral thesis advisors operating in the evaluated domain within the past 5 years. The grants address relevant themes for the respective domain and, as a rule, are engaging doctoral students.

Description

In the last 5 years, the doctoral supervisors have had the quality of project manager or members of the research team in grants won through national competition. The list of research grants is presented in Annex [A.19](#). Also, Annex [Situatie proiecte de cercetare cu doctoranzii nominalizati.pdf](#) below contains the detailed list again.

All grants address topics relevant to the field and, where possible, have been carried out with the involvement of doctoral students.



Analysis

The competitiveness of the dDomain supervisors is clear and they have been very active in finding external sources of funding to support their research and the research of their PhD students.

Recommendations

The indicator is fulfilled

Performance Indicator *A.1.3.2.

The percentage of doctoral students active at the time of the evaluation, who for at least six months receive additional funding sources besides government funding, through scholarships awarded by individual persons or by legal entities, or who are financially supported through research or institutional / human resources development grants is not less than 20%.

Description

Chivu Valentina (Annex [A.20](#)) is a member of the project research team: PCCDI no. 80 / 2018-2021 Emerging technologies for the industrial capitalization of 2 D structures (graphene and non-graphene).

Voinea Elena-Adriana was a member of the project team:

1. New chemical systems based on nanocrystalline networks and porous architectures for intermediate temperature fuel cells (IT-SOFC) operating with biogas, PN II, PCCA, Partnerships, no. 27, 2012-2016;
2. Anodized materials developed to improve the performance and durability of SOFC (ExpAND), PNCDI III - P2, Experimental Demonstration 75PED / 2017.

Iovan Geanina was a member of the research team of the project: Integrated photocatalytic system for water decontamination and electricity production, PN-III-P2-2.1-PED-2016-0473 - manager: Prof. Mihaela Mureşeanu, PhD.

Analysis

Taking into account that in the evaluated period, 12 doctoral students were enrolled, and 3 of them are beneficiaries of funding sources other than government funding, it results that the proportion of doctoral students benefiting from funding sources other than government funding is 25%.

Recommendations

The indicator is fulfilled



Performance Indicator *A.1.3.3.²

At least 10% of the total amount of doctoral grants obtained by the university through institutional contracts and of tuition fees collected from the doctoral students enrolled in the paid tuition system is used to reimburse professional training expenses of doctoral students (attending conferences, summer schools, training, programs abroad, publication of specialty papers or other specific forms of dissemination etc.).

Description

According to the Reports of 2019 (Annex [I.11](#)), the University of Craiova has reimbursed fees for the participation of doctoral students in conferences and for the publication of ISI papers in open access. The doctoral schools contribute, from the basic financing with 2.9% and from their own revenues with 2%, to the financing of the library and of the various research funds from which the doctoral students also benefit. Also, the ANELIS+ subscription is financed from the funds of the doctoral schools. Documents on the financial situation at IOSUD level are presented in Annexes [A.21](#) and [A.31](#).

Analysis

From the data provided it is not clear that such reimbursement is fully fulfilled. Additional efforts should be put in place to ensure the training of the PhD students.

Recommendations

The indicator is partially fulfilled.

Criterion A.2. Research infrastructure

Standard A.2.1.

The IOSUD has a modern research infrastructure to support the conduct of doctoral studies' specific activities.

Performance Indicator A.2.1.1.

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

Description

Details are given in the Annex [Infrastructure available to the doctoral study program in Chemistry](#) below.

² The indicators marked with an asterisk (*) hold a special status, referring exclusively to the evaluation of doctoral studies domains, 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 met, the Agency extends a period of maximum 3 years to IOSUD to correct the respective deficiencies.



Analysis

The field of doctoral studies of Chemistry has at its disposal the infrastructure of the Department of Chemistry, included in the assets of the University of Craiova, which guarantees the correct implementation of the domain studies.

Recommendations

The indicator is fulfilled.

Criterion A.3. Quality of Human Resources

Standard A.3.1.

At the level of each domain there are sufficient qualified staff to ensure the conduct of doctoral study program.

Performance Indicator A.3.1.1.

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

Description

Within the doctoral field of Chemistry, 3 doctoral supervisors carry out their activity :

- Professor Alexandru Popescu, PhD
- Professor Mihaela Mureşeanu, PhD
- Assoc. Prof. Paul Chiriţă, PhD

2 of the doctoral supervisors in the Field of Chemistry (Prof. Mihaela Mureşeanu, PhD and Assoc. Prof. Paul Chiriţă, PhD) are employed full-time and meet the minimum CNATDCU standards in force at the time of the evaluation, necessary and mandatory for obtaining the certificate of habilitation.

On 30.09.2014, Professor Adriana Samide, PhD, a doctoral supervisor in the field of Chemical Engineering, was affiliated with the Doctoral School of Exact Sciences. Prof. Eng. Adriana Samide, PhD meets the minimum National Council for Attesting the Academic Titles, Diplomas and Certificates (CNATDCU) standards in force in the field of Chemical Engineering.

Analysis

The number of doctoral supervisors who have activity in the field of Chemistry and meet the minimum standards of National Council for Attesting the Academic Titles, Diplomas and Certificates (CNATDCU), in force at the time of the evaluation, is 3, and the percentage is achieved.



Recommendations

The indicator is fulfilled

Performance Indicator *A.3.1.2.

At least 50% of all doctoral advisors have a full-time employment contract for an indefinite period with the IOSUD.

Description

Of the 3 doctoral supervisors in the field of Chemistry, 2 are full-time professors and 1 is retired. Therefore, in the field of Chemistry, 66% of the doctoral supervisors are full-time teaching staff within IOSUD-UCV. Prof. Eng. Adriana Samide, PhD in the field of Chemical Engineering, who carries out co supervised activities in the Field of Chemistry, is also a full-time professor at IOSUD-UCV .

Analysis

Clear fulfilment

Recommendations

The indicator is fulfilled

Performance Indicator A.3.1.3.

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

Description

According to the data provided in the SER, the subjects and research activities in the training programme based on advanced university studies related to the doctoral field of Chemistry are carried out over a period of 3 years, totalling 60 credits/year and 180 credits in the 3 years of the doctoral studies cycle. The courses are delivered by teachers who are doctoral supervisors and full-time teaching staff at IOSUD - University of Craiova, Doctoral School of Sciences and Doctoral School of Law, and they take place in Semester 1, Year I, with a total of 30 credits, Annexes [A.27](#), [A.28](#), [A.29](#), [A.32](#) and [A.33](#).

Analysis

The criteria is clearly fulfilled.

Recommendations



The indicator is fulfilled

Performance Indicator *A.3.1.4.

The percentage of doctoral thesis advisors who concomitantly coordinate more than 8 doctoral students, but no more than 12, who are themselves studying in doctoral programs³ does not exceed 20%.

Description

According to the information provided in the doctoral field of Chemistry no doctoral supervisor coordinates more than 5 doctoral students at the same time (Annex [A.30](#))

Analysis

The indicator is clearly fulfilled

Recommendations

The indicator is fulfilled

Standard A.3.2.

The Doctoral advisors within the domain are carrying out a scientific activity visible at international level.

Performance Indicator A.3.2.1.

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

Description

The mentioned doctoral supervisors have international visibility in the last 5 years, as members of the scientific committees of the international conferences. The lists of papers of the doctoral supervisors are presented in Annexes [A.23](#) and [A.25](#).

³ 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.



Analysis

Doctoral supervisors have publications indexed in the Web of Science, with impact factor, and other achievements, relevant to the Field of Chemistry.

Recommendations

The indicator is fulfilled.

Performance Indicator *A.3.2.2.

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

Description

According to the information provided in the SER:

List of doctoral supervisors in the Fields of Chemistry and Chemical Engineering - co supervision, with specifications related to the fulfilment/non-fulfilment of at least 25% of the CNATDCU minimum standards in the last 5 years

No.	First name, last name of doctoral supervisor	CNATDCU minimum standards - Fulfilled/Unfulfilled
1	Professor Alexandru Popescu, PhD	Unfulfilled
2	Professor Mihaela Mureşeanu, PhD	Fulfilled
3	Associate Professor Paul Chiriţă, PhD	Fulfilled

PhD supervisor affiliated to the Doctoral School of Sciences, Chemical Engineering field - carries out joint activity with Prof. Alexandru Popescu, PhD (Chemistry field)

1	Professor Eng. Adriana Samide, PhD	Fulfilled
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Analysis

As seen in the table below, 66% of the doctoral supervisors in the Field of Chemistry meet the CNATDCU minimum standards, at least 25%, through scientific performance in the last 5 years.

Despite this, the number of PhD supervisors is limited and it would be advisable to promote a strategy to contract new professors, if possible, with international projection to ensure a proper continuity of the PhD Domain.



Recommendations

The indicator is fulfilled.

Domain B. EDUCATIONAL EFFECTIVENESS

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

Standard B.1.1.

The institution organizing doctoral studies has the capacity to attract candidates from outside the higher education institution or a number of candidates exceeding the number of seats available.

Performance Indicator *B.1.1.1.

The ratio between the number of graduates of masters' programs of other higher education institutions, national or foreign, who have enrolled for the doctoral admission contest within the past five years and the number of seats funded by the state budget, put out through contest within the doctoral domain is at least 0.2 or the ratio between the number of candidates within the past five years and the number of seats funded by the state budget put out through contest within the doctoral studies domain is at least 1,2.

Description

The ratio (NAMA/NLB) between the number of graduates, at the Master's level, from other higher education institutions in the country or abroad who entered the competition for admission to doctoral studies (NAMA) and the number of places funded by the state budget put up for competition (NLB) is: NAMA/NLB = 2/4; NAMA/NLB = 0.5 > 0.2.

Analysis

The data shows fulfillment. However, due to the low number of PhD students and professors the risk to unfulfill the indicator in the future is high. We recommend strategic development of the domain, in order to ensure a sustainable future. Better engagement with industry and more proactive search of international candidates is highly recommended.

Recommendations

The indicator is fulfilled

Standard B.1.2

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

Performance Indicator *B.1.2.1.

Admission to doctoral study programs is based on selection criteria including: previous academic, research and professional performance, their interest for scientific 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

According to the information provided in the SER, the admission to doctoral studies is made based on the regulations contained in the Institutional Regulation for the organization and operation of doctoral and postdoctoral studies of IOSUD-University of Craiova (Annex [B.13](#), Chapter IV: Art. 15-21).

Thus, the admission contest consists of an oral examination in which a research project based on the bibliography recommended to candidates, which is uploaded on the Doctoral School website by each doctoral supervisor, is presented in correlation with the research topics that will be addressed in the Individual Scientific Research Programme. The admission committee is proposed by each doctoral supervisor and approved by the decision of the rector. It includes, together with the doctoral supervisor who is the chairman of the committee, 2-3 more members who can be part of the research team of the doctoral supervisor, of other people affiliated with the doctoral school or of teachers and researchers not affiliated. Each member of the examination committee awards a grade from 1 to 10, which he/she will write in ink/pen, in blue in the doctoral admission report. The final average is calculated as an arithmetic average, with two decimals, without rounding, of the grades awarded by each examiner and will be recorded in the minutes by the chairman of the committee. For the selection of the candidates with equal admission average grades, the criterion used will be: The Bachelor's/Masters's average graduation grade.

Analysis

The procedure for selecting new PhD students is clear, follows, in general and without getting into the details, the OTM-R principles

Recommendations

The indicator is fulfilled

Performance Indicator B.1.2.2.

The expelling rate, including renouncement / dropping out of doctoral students 3, respectively 4, years after admission⁴ does not exceed 30%.

Description

In the period 2015-2020, 4 doctoral students completed their doctoral studies and defended their doctoral theses. During this period, 2 doctoral students dropped out of the doctoral studies.

The dropout rate was calculated with the relation:

$$\text{Dropout rate} = (2/11) * 100 = 18.18\%$$

where 2 is the number of students who left the program in the period 2015-2020, and 11 is the number of students enrolled in the same period.

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.



Analysis

The dropout rate is 18.18% and does not exceed 30%.

Recommendations

The indicator is fulfilled

Criterion B.2. The content of doctoral programs

Standard B.2.1.

The training program based on advanced university studies is appropriate to improve doctoral students' research skills and to strengthen ethical behavior in science.

Performance Indicator B.2.1.1.

The training program based on advanced academic studies includes at least 3 disciplines relevant to the scientific research training of doctoral students; at least one of these disciplines is intended to study in-depth the research methodology and/or the statistical data processing.

Description

In the Curriculum there are 3 subjects relevant for scientific training of which one subject (*Research Methodology in Chemistry and Chemical Engineering*) is intended for the methodology of research and statistical data processing.

Analysis

The indicator is clearly fulfilled

Recommendations

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

In the curriculum of the doctoral students in Chemistry there is a subject dedicated to ethics in scientific research and intellectual property, *Ethics and academic integrity*, with 14 hours of classes.

Analysis



The indicator is clearly fulfilled

Recommendations

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

Competences, skills and aptitudes that the doctoral students acquire after completing the programme of advanced doctoral studies in the Field of Chemistry are specified in a specific file for each subject. Research activities must be specified in the presentation and publication of scientific papers, as specified in the Curricula, Annex [A.28](#). The course descriptions are presented in Annex [A.29](#), and the teaching load reports of the Doctoral School of Sciences in Annex [A.27](#). Chemistry doctoral students acquire professional and transversal competencies, and learning outcomes are clearly stated.

Analysis

The indicator is clearly fulfilled.

Recommendations

The indicator is fulfilled

Performance Indicator B.2.1.4.

All along the duration of the doctoral training, doctoral students in the domain receive counselling/guidance from functional guidance commissions, which is reflected in written guidance and feedback or regular meeting.

Description

As stated in the SER, the Advisory committee mentioned in the Doctoral study contract is specified in the file of each doctoral student. However, the collaboration of the doctoral student – Advisory committee mainly consists in performing the experimental determinations and finish in presentation/publication of some scientific papers by the doctoral students in collaboration with the members of the Advisory committee.

⁵ Or by what the graduate should know, understand and to be able to do, according to the provisions of the Methodology of 17 March 2017 regarding inscription and registration of higher education qualifications in the National Register of Qualifications in Higher Education (RNCIS) approved by the Order No.3475/2017 with subsequent amendments and additions.



Analysis

The perception from the site visit is that the students are part of a team, which is good, but sometimes due to the external conditions for the PhD completion, the PhD process resembles too much a race towards generating publications in peer reviewed journals, instead of training the students to become researchers.

Although the indicator can be considered fulfilled, we strongly recommend the university to make extra efforts in valuing the academic character of the PhD studies, more than only the outcomes in the form of research articles.

Recommendations

The indicator is fulfilled.

Performance Indicator B.2.1.5.

For a doctoral study domain, the ratio between the number of doctoral students and the number of teaching staff/researchers providing doctoral guidance must not exceed 3:1.

Description

The ratio between the number of doctoral students (n_s) and the number of university teachers/researchers providing guidance (n_c) is $n_s:n_c = 12:13$ (0.9231) and does not exceed 3:1 (i.e. 3).

Analysis

The number of PhD students is not excessive for the size and shape of the teaching staff and researchers providing guidance to them. The structure of the Domain is balanced.

Recommendations

The indicator is fulfilled

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.

Performance Indicator B.3.1.1.

For the evaluated domain, the evaluation commission will be provided with at least one paper or some other relevant contribution per doctoral student who has obtained a doctor's title within the past 5 years.



From this list, the members of the evaluation commission shall randomly select 5 such papers / relevant contributions per doctoral study domain for review. At least 3 selected papers must contain significant original contributions in the respective domain.

Description

The papers listed by the panel in the SER have been analyzed in terms of the quartile the journal lies on, according to the Scimago rankings. From this analysis, 3 over 11 papers were published in Q1 journals, 3 in Q2 journals, 4 in Q3 journals and 1 in Q4. Although this evaluator cannot ensure the correlation between quality of the journals and contributions of the papers, the truth is that some of these articles have already some citations, despite their recent publications. This is an indication of real impact.

Analysis

The production of the students is limited but sufficient in the last 5 years, but their contributions appear significant.

Recommendations

The indicator is fulfilled

Performance Indicator *B.3.1.2.

The ratio between the number of presentations of doctoral students who completed their doctoral studies within the evaluated period (past 5 years), including posters, exhibitions made at prestigious international events (organized in the country or abroad) and the number of doctoral students who have completed their doctoral studies within the evaluated period (past 5 years) is at least 1.

Description

Extracted from the SER

The systematized situation of graduates is presented in the following table

Period: 2015-2020		
Graduates (a)	Presentations at international events (p)	Ratio p:a
4	10	2.5

Analysis

The ratio is bigger than 1.

Recommendations

The indicator is fulfilled



Standard B.3.2.

The Doctoral School engages a significant number of external scientific specialists in the commissions for public defense of doctoral theses in the analyzed domain.

Performance Indicator *B.3.2.1.

The number of doctoral theses allocated to one specialist coming from a higher education institution, other than the evaluated IOSUD should not exceed two (2) in a year for the theses coordinated by the same doctoral thesis advisor.

Description

In the field of Chemistry, no more than two theses were defended in one year, therefore no reviewer could have been assigned more than two theses in one year.

Analysis

The criterium is clearly fulfilled

Recommendations

The indicator is fulfilled

Performance Indicator *B.3.2.2.

The ratio between the doctoral theses allocated to one scientific specialist coming from a higher education institution, other than the institution where the defense on the doctoral thesis is organized, and the number of doctoral theses presented in the same doctoral study domain in the doctoral school should not exceed 0.3, considering the past five years. Only those doctoral study domains in which minimum ten doctoral theses have been presented within the past five years should be analyzed.

Description

In the doctoral field of Chemistry, only 4 doctoral theses have been defended in the last 5 years, therefore the analysis of this standard is not required.

Analysis

Recommendations

There is no possibility to analyze this indicator.

Domain C. QUALITY MANAGEMENT



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 for monitoring the internal quality assurance.

Performance Indicator C.1.1.1.

The Doctoral school in the respective university study domain 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 IOSUD, 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 scientific activity of doctoral students;*
- e) the training program based on advanced academic studies of doctoral students;*
- f) social and academic services (including for participation at different events, publishing papers etc.) and counselling made available to doctoral students.*

Description

A culture of quality, evaluation and quality assurance in a process-based approach, based on the Quality Management System, which it is constantly improving, is established at the University of Craiova, in accordance with the requirements of European Standards and Guidelines for Quality Assurance (ESG). The Quality Management Department (DMC) mission is established by the Charter of the University of Craiova (Annex [C.1](#)), in Art. 162, and the objectives are specified in Art. 163. Details regarding the specific quality assurance activities and practices of the Department of Quality Management (DMC) are presented in Annexes [C.2](#), [C.4](#), [C.5](#) and [C.6](#).

The Field of doctoral studies in Chemistry carries out its activity within the Doctoral School of Sciences and periodically drafts a Self-Evaluation Report (Annex [C.9](#)). The criteria considered are:

1. the scientific activity of the doctoral supervisors;
2. the infrastructure and facilities required for carrying out the research activity;
3. the procedures and subsequent norms on the basis of which the doctoral studies are organized;
4. the scientific activity of doctoral students;
5. the training programme based on advanced university studies of doctoral students;
6. social and academic support services (including participation in various events, publication of papers etc.) and counselling available to doctoral students.

Analysis

Based on the information provided, as well as the interviews carried out during the site visit, the QA system is in place. Better quality enhancement procedures are encouraged, though, in order to ensure checkbox listing of QA items is considered as enough to guarantee the quality of the programs.

Recommendations

The indicator is fulfilled.



Performance Indicator *C.1.1.2.

Mechanisms are implemented during the stage of the doctoral study program to enable feedback from doctoral students allowing to identify their needs, as well as their overall level of satisfaction with the doctoral study program in order to ensure continuous improvement of the academic and administrative processes. Following the analysis of the results, there is evidence that an action plan was drafted and implemented.

Description

The doctoral students are periodically consulted in order to identify their needs, as well as their level of satisfaction with the doctoral programme, by anonymous filling in of evaluation Questionnaires. The results are presented in Annex [C.15](#).

Most doctoral students in Chemistry appreciated the interaction with the Advisory team and with the doctoral supervisor by “Excellent”, as well as the services offered by the University of Craiova in order to facilitate access to the material base necessary to successfully complete the doctoral studies.

Analysis

The PhD feedback mechanisms are in place, but it would be good to analyze how to improve the outcome from those questionnaires and how to improve the programme thanks to this proposals.

Recommendations

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.

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 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 training 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) 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

A collection of web sites was provided to the evaluators:

1. The Regulations of the Doctoral School (<http://stiinte.ucv.ro/doctorat/regulament/>);
2. The admission regulations (<http://stiinte.ucv.ro/doctorat/admitere/>);
3. The doctoral studies contract (https://www.ucv.ro/invatamant/educatie/programmee_doctorat/admitere_contracte_studiu.php);
4. The regulation for completing the studies, which should also include the procedure for public defence of the thesis (<http://stiinte.ucv.ro/doctorat/regulament/>);
5. The content of the study programmes (http://stiinte.ucv.ro/doctorat/activitati_didactice/);
6. The academic and scientific profile, the thematic areas/research topics of the doctoral supervisors in the field, as well as their institutional contact data (<http://stiinte.ucv.ro/doctorat/conducatori-doctorat/>);
7. List of doctoral students, with basic information (year of enrolment; supervisors) (<http://stiinte.ucv.ro/doctorat/doctoranzi/>);
8. Information about the academic writing standards in relation to the doctoral thesis (http://stiinte.ucv.ro/doctorat/wp-content/uploads/2019/02/regulament_2017.pdf);
9. The links to the summaries of the doctoral theses to be defended publicly, as well as the date, time, place where they will be defended, which are displayed at least 20 days prior the defence. The abstract in Romanian and the abstract in English are posted online (https://www.ucv.ro/invatamant/educatie/teze_de_doctorat.php; <http://stiinte.ucv.ro/doctorat/teze-sustinute/>).

Also, the doctoral registration form, the application for doctoral registration, as well as the application to defend the thesis to the Advisory committee are available on the website.

Analysis

Complete information is transparently provided in the website

Recommendations

The indicator is fulfilled

Standard C.2.2.

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

Performance Indicator C.2.2.1. *All doctoral students have free access to one platform providing academic databases relevant to the doctoral studies domain of their thesis.*



Description

Doctoral students have free access to the facilities offered by the Library of the University of Craiova (<http://biblio.central.ucv.ro/>), accessible online. The retrieval of the information is done through the specialized OPAC mode made available to the readers in numerous information points and in the multimedia rooms. The collection that has not yet been entered in the computer database can be found in the traditional catalogues, <http://catalog.ucv.ro/opac>.

The databases to which doctoral students in the field of Chemistry have access through the Library of the University of Craiova can be accessed using the link: http://biblio.central.ucv.ro/bib_web/ro/Anelis_Plus.php.

Analysis

Good and standard online access to research oriented databases

Recommendations

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

The University has a subscription to use the platform www.sistemantiplagiat.ro to verify the authenticity of doctoral theses and other scientific papers through which doctoral students have access, upon request and with the consent of the doctoral supervisor, when verifying the degree of similarity with other existing scientific or artistic creations.

Analysis

Access is guaranteed to students, although the request for permission by the doctoral supervisor is somehow unnecessary and can lead to some problems. It is suggested to avoid such permission to access the resource.

Recommendations

The indicator is fulfilled.

Performance Indicator C.2.2.3.

All doctoral students have access to scientific research laboratories or other facilities depending on the specific domain/domains within the Doctoral School, according to internal order procedures.

Description



The field of doctoral studies in Chemistry within the Doctoral School of Sciences, has an adequate infrastructure for the development of doctoral studies in optimal conditions, with state-of-the-art facilities and equipment specific to the field, according to the mission and objectives assumed (<http://chimie.ucv.ro/departament/>).

Labs and their resources are listed in the Annex [Infrastructure available to the doctoral study program in Chemistry](#) below.

Analysis

Recommendations

The indicator is fulfilled

Criterion C.3. Internationalization

Standard C.3.1.

There is a strategy in place and it is applied to enhance the internationalization of doctoral studies.

Performance Indicator *C.3.1.1.

IOSUD, for every evaluated domain, 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 aiming at increasing the number of doctoral students participating at mobility periods abroad, up to at least 20%, which is the target at the level of the European Higher Education Area.

Description

According to the SER, the Department of Chemistry has concluded student and teaching staff mobility agreements with numerous and prestigious higher education institutions in Europe within Erasmus+ (Annex [C.22](#)) to carry out teaching/training and research internships. The strengthening of the relations with the companies producing the equipment provided for of the Department of Chemistry made the students and the teachers from the department participate in international training sessions.

Analysis

Not detailed information on the percentage of students taking mobility has been found, and it is encouraged to take profit of the margin given to complete this indicator in order to improve the internationalization of the students.

Recommendations

The indicator is partially fulfilled



Performance Indicator C.3.1.2.

In the evaluated doctoral study domain, support is granted, including 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

According to the SER, the Chemistry Department annually organizes the National Chemistry Conference, a scientific event in which doctoral students also participate. Collaborators from European educational and research institutions are invited to this conference and the event promotes the exchange of experience (<http://chimie.ucv.ro/simpchim/>).

Analysis

The level of internationalization of the study program is limited, as only relationships with specific partners abroad has been exploited. It appears that the university could take profit of the potential of their professors in order to improve this mobility and ensure cotutelles or alike relationships with universities abroad.

Recommendations

The indicator is partially fulfilled

Performance Indicator C.3.1.3.

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.).

Description

According to the SER, the IOSUD Presentation Guidebook, in Romanian and in English, is made available in order to offer help to international doctoral students in identifying the appropriate supervisor for the topic they intend to address. This is the only measure that is shown to promote internationalization, which, as stated here, seems to be the only major concern to be improved in the future for a modern PhD program to be in place.

Analysis

We strongly encourage analyzing in a critical way this item, producing a much more international oriented research and training for the PhD students, as this will definitely benefit the whole Domain.

Recommendations

The indicator is partially fulfilled



IV. SWOT Analysis

<p><u>Strengths:</u></p> <ul style="list-style-type: none"> -well structured program -good research infrastructures -good supervisors in terms of publications and research resources 	<p>Weaknesses:</p> <ul style="list-style-type: none"> -lack of internationalization -relatively low level of publications by the students -irrelevance of the research at the university within the regional development
<p><u>Opportunities:</u></p> <ul style="list-style-type: none"> -willing by the supervisors to demonstrate a good level of research and commitment to internationalization -the relationship with the industrial environment seems to be only opportunistic and may have a lot of possibilities of expansion 	<p>Threats:</p> <ul style="list-style-type: none"> -a lack of ambition in internationalization will become problematic in terms of future success (and survival) of the domain

V. Overview of judgments awarded and of the recommendations

No.	Type of indicator (*, C)	Judgement	Recommendations
A.1.1.1		fulfilled	
A.1.1.2		fulfilled	
A.1.2.1		fulfilled	
A.1.2.2		fulfilled	
A.1.3.1		fulfilled	
A.1.3.2	*	fulfilled	
A.1.3.3	*	partially fulfilled	Additional efforts should be put in place to ensure the training of the PhD students.
A.2.1.1	C	fulfilled	
A.3.1.1	C	fulfilled	
A.3.1.2	*	fulfilled	
A.3.1.3		fulfilled	
A.3.1.4	*	fulfilled	
A.3.2.1	C	fulfilled	
A.3.2.2	*	fulfilled	

B.1.1.1	*	fulfilled	
B.1.2.1	*	fulfilled	
B.1.2.2		fulfilled	
B.2.1.1		fulfilled	
B.2.1.2		fulfilled	
B.2.1.3		fulfilled	
B.2.1.4		fulfilled	
B.2.1.5	C	fulfilled	
B.3.1.1	C	fulfilled	
B.3.1.2	*	fulfilled	
B.3.2.1	*	fulfilled	
B.3.2.2	*	---	<i>n</i> is small and there is no possibility to evaluate this indicator
C.1.1.1		fulfilled	
C.1.1.2		fulfilled	
C.2.1.1	C	fulfilled	
C.2.2.1		fulfilled	
C.2.2.2		fulfilled	
C.2.2.3		fulfilled	
C.3.1.1	*	partially fulfilled	It is encouraged to improve the participation in internationalization programmes for training by the students.
C.3.1.2		partially fulfilled	identify the number of cotutelles as a good indicator of improved internationalization
C.3.1.3		partially fulfilled	The IOSUD is encouraged to improve the internationalization of the program

VI. Conclusions and general recommendations

In general, the health of the Chemistry Domain at this Doctoral School is very good. The program is small in terms of students and professors, but well structured, well balanced with all indicators in place and only minor corrections to be made for most criterias. Only Section C.3 needs some special attention, as this evaluator found limited internationalization in the program, which does not match the great potential of the supervisors and the good infrastructure of the labs. The issues the Department of Chemistry is involved in are of particular interest for the new Horizon Europe program, and it is recommended that the institution makes a strategic move towards internationalizing the research, in order to take profit of such opportunity and to position itself as a reference in the fields of major expertise of their professors. This will benefit both the program and the students.

Another issue that deserves attention is related to the competencies achieved by the students. The restrictions imposed by the Romanian law in order to achieve a PhD degree can be counterproductive for



the training of the students as independent researchers, and care needs to be taken not to uniquely transform a PhD program in a way to generate publications for the team. The profile of the professors is good and very proactive to train students, but a balance should be made between external indicators and the strategy of the institution to ensure it produces the best researchers and professionals in the chemistry field.

Overall, though, and based on the performance of the university related to the proposed indicators, the behaviour is good and only minor corrections are suggested, as listed in the table in section [V. Overview of judgments awarded and of the recommendations](#).

VII. Annexes

VII. 1. Detailed schedule of the visit

Date	time	Activity	Participants
July 2nd	18:00-19:00	Meeting of panel members for discussing main methodological aspects related to the evaluation of doctoral studies	All evaluation panel members
July 5th	09:00-09:45	<i>Online preliminary meeting for the preparation and harmonization of evaluation steps, in hybrid mode, of doctoral study domains and IOSUD</i>	<i>IOSUD evaluation panel all evaluation panel members</i>
	10:00-10:45	<i>Online meeting with representatives of the institution and of the Council for Academic Doctoral Studies (CSUD)</i>	<i>domains evaluation panel all evaluation panel members representatives of the University's management representatives of the CSUD and of the Doctoral School /Schools the contact person for IOSUD / doctoral domains</i>
	11:00-12:00	<i>Online meeting with the contact person for the doctoral study domain under review and the team who drafted the internal evaluation report</i>	<i>members of domain evaluation panel The doctoral studies domain contact person and the team who drafted the internal evaluation report</i>
	12:15-13:15	<i>Online meeting with the Directors/ persons in charge of the research centers/laboratories within the doctoral study domain</i>	<i>members of domain evaluation panel directors of research centers/laboratories</i>
	13:30-14:30	<i>Online meeting with the academic staff corresponding to the doctoral study domain</i>	<i>members of domain evaluation panel Doctoral coordinators</i>
July 6th	9:00-11:00	<i>Online meeting with the members of the Ethics Commission and the Commission for Quality Evaluation and Assurance (CEAC) members / Quality Assurance Department</i>	<i>all evaluation panel members Ethics Commission members representatives of Commission for Quality Evaluation and Assurance (CEAC) / Quality Assurance Department</i>

	11:15-12:15	Online meeting with graduates for the respective doctoral study domain	Domain evaluation panel representatives of doctoral graduates
	12:30-13:30	Online meeting with PhD students	Domain evaluation panel PhD students
	13:45-14:45	Online meeting with employers of Doctoral graduates in the domain	Domain evaluation panel employers representatives
	15:00-16:00	Online technical meeting to identify specific issues that need to be clarified, if necessary, during the on-site visit	IOSUD&domains evaluation panel all evaluation panel members
July 7th	9:00-18:00	Site visit to the university	the Evaluation Director and the coordinator of the IOSUD evaluation panel, one student university representatives
July 8th	9:45-10:45	Online meeting with Doctoral Schools Council (CSD members)	members of domain evaluation panel CSD's members
July 9th	9:30-10:45	Online meeting for conclusions	all evaluation panel members
	11:00-12:00	Meeting with representatives of the institution under review to discuss on the conclusions of the evaluation process and the main recommendations	all evaluation panel members university representatives

VII.2 Documents received after the start of the visit

Prof. Chirita kindly provided additional information to complement the material already in place in the cloud prior to our visit.

1) Infrastructure available to the doctoral study program in Chemistry

The doctoral study program in Chemistry has at its disposal the research infrastructure of the Department of Chemistry, included in the patrimony of the University of Craiova:

- 2 classrooms, with a total area of 106 sqm
- 2 seminar rooms, with a total area of 106 sqm
- 16 teaching and research laboratories, with a total area of 717 sqm
- 1 library room, with a total area of 54 sqm
- Laboratory BB115
 - HPLC chromatograph Surveyor
 - UV-Vis spectrometer Evolution 5000 with integrating sphere
 - Gas Chromatograph Thermo with mass spectrometer DSQ2
 - Flame atomic absorption spectrometer
 - Microwaves mineralisation system
 - Rotary evaporator
- Laboratory BB208A and B
 - Materials synthesis set-up



- Oven
- Tubular oven
- Box oven
- Dip-coater
- pH meter
- Analytical balance
- Laboratory glassware
- Laptop
- Printer
- Zahner Zennium electrochemical workstation
- Zahner KMZ3 and KMZ5 electrochemical cells
- UV-viz spectrophotometer PG Instruments model T70
- Buehler Low Speed Saw cutting machine
- Analytical balance Kern Model ABJ 220-4M
- electric plate
- digital thermostatic bath "Digibath" BAD-4 12 liters, 100
- sieving sistem MINOR M200
- inverted binocular metallographic microscope, code MBL3300 with video camera for PC connection
- ultrasonic bath Elmasonic S120
- digital multiparameter CONSORT C3021
- distiller
- computer
- printer
- Laboratory BB206
 - Perkin Elmer Diamond TG/DSC analyser
 - Metallographic microscope
 - Electrochemical station Voltalab
- BB 306 Laboratory
 - 3 nanostructured oxide materials synthesis equipment - pH meter
 - analytical balance
 - Heidolph rotavapor with accessories
 - Centrifuge Routine 38 cell culture incubator with stirring platform - stirring motor with rod
 - biological sample decay system
 - oven
 - water distiller
 - 1 computer
 - 1 DR 890 portable spectrophotometer
 - DRB 200 thermostat and the HACH LANCE cuvette test system
- Laboratory D07 INCESA
 - Raman Renishaw confocal spectrometer
 - Linseis horizontal dilatometer
 - Tubular heat treatment furnace
 - Solid electrochemical testing set-up (Fiaxell)



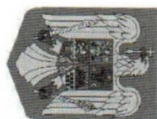
- Zahner IM6eX electrochemical workstation
- Nitrogen gas generator
- Hydrogen gas generator
- Laboratory D08 INCESA
 - X-ray diffractometer SmartLab Rigaku equipped with an Anton Paar HT chamber (ICSD crystallographic database access)
 - Scanning Electronic Microscope (SU8010 Hitachi) coupled with EDXS detector (Oxford Instruments)

Moreover, in the past months the domain was involved in several actions regarding the promotion of science in society, such as Researchers Night etc. At the following links <https://www.youtube.com/watch?v=hmZAVp5UNks> and <https://www.facebook.com/tele.craiova/videos/1549214878597242> one can find two representative movies for the research activities and infrastructure of the Department of Chemistry, the infrastructure that is used by the Doctoral Field of Chemistry.

2) Repartizare_finantare_scoli_doctorale+centre_de_cost_cercetare.xlsx

Nr. crt.	Numele unitatii	ECONOMIA UNIV. CRAIOVA											SOCIETATEA DE INVESTITII SI COMERCIALIZARI													
		FINANTE								CANTITATIVE			SOCIETATEA DE INVESTITII SI COMERCIALIZARI													
		Pozitia in Plan	Artic. in Contabilitate	Cont. Functionala	Elemente Financiare	Posturi	Elemente Financiare	Elemente Financiare	Posturi	Unitati de Masura	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE	CANTITATIVE			
1	Balanta la inceput																									
2	Tranziții la sfârșit																									
3	Tranziții la început																									
4	Tranziții la sfârșit																									
5	Tranziții la început																									
6	Tranziții la sfârșit																									
7	Tranziții la început																									
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29	Tranziții la început																									
30	Tranziții la sfârșit																									

3) Situație proiecte de cercetare cu doctoranzii nominalizați.pdf



ROMÂNIA
MINISTERUL EDUCAȚIEI
Universitatea din Craiova
PROCTORAT CERCETARE ȘTIINȚIFICĂ ȘI RELAȚII CU MEDIUL ECONOMIC
 Craiova, Str. A. I. Cuza, nr. 13, 200585, tel: +40-251-413844, fax: +40-251-418803, www.ucv.ro, e-mail:
 rectorat@central.ucv.ro



**Proiecte de cercetare derulate în perioada 2016-2021
 cu doctoranzi implicați ca membri în echipa de proiect**

Nr. crt.	Numar proiect	Denumire proiect	Director proiect	Doctoranzi implicați	Perioada derulare	Suma alocată UCV
1	PN-III-P2-2.1- PED-2016- 0676 75PED/2017	„Materiale anodice evaluate pentru îmbunătățirea performanței și durabilității”	Cioabera Nicoleta	1. Gruescu (Duinea) Ionela- Madalina 2. Voinea Elena Adriana	2017-2018	400000
2	PN-III-P2-2.1- PED-2016- 0473 106PED/2017	„Sistem fotoacustic integrat pentru decontaminarea apei și producerea de electricitate” (ELETROPHOTO)	Muresseanu Mihaela	1. Părvulescu Viorica 2. Căjiță Gabriela	2017-2018	400000
3	23/01.07. 2014; PN-II- PT-PCCA- 2014-4-0614	Sisteme de asigurare a securității informației bazate pe modele nelinare de analiza a fluxului informațional	Rădulescu Vicențiu	1. Golumbeanu Alin Ionut	2014-2016	900000
4	67/01.10. 2015; PN-II- RU-TE-2014- 4-1109	„Controlabilitate și probleme de optimizare”	Roventia Ionel	1. Cindea Nicolae 2. Ghiba Ionel Dumitrel 3. Tereșcană Laurențiu 4. Mălin Maria 5. Stăncuț Ionela Loredana	2015-2017	540500
5	4C/12.10. 2015PN-II- RU-TE-2014- 4-2604	„Platforma pentru învățare colaborativă bazată pe instrumente sociale media: aspecte de analiza a datelor”	Popescu Elvira	1. Popescu Paul Stefan 2. Becheru Alexandru Petruț	2015-2017	548550

6	18/01.10. 2015 PN-II-RU-TE- 2014-4-2732	„Sisteme integrate de navigație INS/GPS de înaltă precizie și cost redus, bazate pe algoritmi inteligenți de fuziune a datelor”	Grigorie Teodor Lucian	1. Corcau Costinel Laurenti 2. Negrea Petre	2015-2017	550000
7	116CI/2017, PN III Cecuri de inovare	„Tehnologie informațională pentru achiziția, prelucrarea paralelă, sincronizată și în timp real a unor semnale de vibrații, folosind tehnologia FPGA”	Popescu Ion-Marian	1. Popa Bogdan	2017	45000
8	PN-III-P2- 2.1-PEd- 2016-0376 37PED/2017	„Demonstrator pentru amplificarea directă a efectului Coandă”	Preotu Octavian	1. Duță Marinel	2017-2018	600000
9	nr. 26/2014, PN-II-PT- PCCA-2013- 4-1153	„Sistem informatic medical inteligent pentru diagnosticul și monitorizarea tratamentului la pacienții cu neoplasm colorectal”	Stocean Catalin Liviu	1. Sandita Adrian-Victor	2014-2017	498487
10	244/2014; PN II - PCCA	Cercetarea substituirii osoase cu materiale fabricate prin tehnici specifice metalurgiei pulberilor (BONY)	Gingu Oana	1. Stoicescu Adrian-Mihail	2014-2017	530500
11	89/01.10. 2015, PN-II- RU-TE-2014- 4-0849	„Arhitecturi moderne pentru controlul aterizării aeronavelor”	Lungu Mihai-Aureliu	1. Bațu Florentin - Alin 2. Ioan Mihai	2015-2017	521685
12	contractului de finanțare nr. 99CV/2017, cod proiect PN-III-P2-2.1- CI-2017-0469	„Predicția Automată e evoluției trendului valorilor acțiunilor pentru clienții unei Societăți de Servicii de investiții financiare”	Stocean Ruxandra	1. Sândiță Adrian-Victor	2017	44946
13	PN-III-P2-2.1- BG-2016-0269 nr.75BG/01.10 . 2016	„Sistem inteligent de monitorizare și management al calității energiei electrice la interfața dintre rețeaua electrică de distribuție și utilizatorii ei”	Rușinaru Demisa	1. Buzatu Gabriel Cosmin 2. Negoită Andrei	2016-2018	439286

14	PN-III-P2-2.1-BG-2016-0019 2BG/2016	Ou de găină îmbogățit în acizi grași polineasurați n-3 și carotenoidzi – aliment funcțional obținut prin includerea în dieta găinilor ouătoare a unor produse furajere neconvenționale” (CARROMEGG)	Nour Violeta	1. Boruzi Andrei Iulian	2016-2018	286966
15	PN-III-P2-2.1-BG-2016-0240 73BG/2016	„Dezvoltarea unor sisteme inteligente de analiză și prelucrare a datelor în vederea creșterii competitivității produselor realizate într-o hală industrială destinată unor vehicule electrice”	Nicolae Ileana Diana	1. Nicolae Marian Ștefan 2. Scarlatescu Lucian Cristian 3. Smărăndescu Ionuț-Daniel	2016-2018	447000
16	PN-III-P2-2.1-BG-2016-0202 70BG/01.10.2 016	Soluții inteligente de tratare a neutrilor în stațiile electrice 110kV/MT pentru creșterea eficienței energetice, securității personalului și siguranței în alimentarea utilizatorilor”	Mircea Paul Mihai	1. Buzatu Gabriel Cosmin	2016-2018	436977
17	232PED/2017	Platforma hardware bazata pe utilizarea rețelor neuronale pentru vehicule spațiale sub-orbitale și orbitale	Lungu Romulus	1. Buțu Florentin-Alin	2017-2018	475000
18	181/20.07.2017 Proiect STAR Ag.Spațiala	COMASS-Computational Methods in Astrophysics and Space Sciences (Metode Computaționale în Astrofizică și Științe Spațiale)	Lungu Mihai-Aureliu	1. Păuna Alina-Maria	2017-2018	230000
19	244PED/2017, cod proiect PN-III-P2-2.1-PED-2016-1587	„Dispozitiv inovativ portabil de insuflare, pentru oprirea hemoragiilor abdominale necontrolate în cazuri de traumă în mediul civil și militar”	Gruionu Lucian-Gheorghe	1. Iacob Andreea-Valentina	2017-2018	475000
20	nr. 239PED/2017, cod proiect: PN-III-P2-2.1-PED-2016-0934	„Sistem robotic destinat reabilitării locomotiei persoanelor cu deficiente neuromotorii (Acronim: NeuRob)”	Dumitru Nicolae	1. Roșu Eugen-Viorel	2017-2018	475000

21	178CI/2018 PN-III-P2-2.1- CI-2018-1035	"INTRODUCEREA ÎN CULTURĂ LA SC RIAMAR FRUCT SRL A SPECIEI MESPIL US GERMANICA"	Cosmulescu Sima- Niculina	1. Zanfir Valeriu	2018	50000
22	STAR 155/20.07. 2017	"Sursa hibridă de putere pentru pseudo-sateiți"	Corcâu Jenica-Ileana	1. Ureche Eduard-Ionuț	2017-2018	176475
23	PN-III-P2-2.1- BG-2016-0123 nr.92BG/2016	"Parteneriat FORD România – Universitatea din Craiova pentru transferul , implementarea și adaptarea eco-tehnologiilor FORD la realizarea modelului Ecosport la Craiova " (EcoFordUCy)	Bizdoacă Nicu George	1. Besnea Florina Luminița 2. Andrițoiu Dan 3. Bizdoacă Ana Maria Casandra 4. Nicu Andrei Claudiu 5. Dănoiu Raluca	2017-2018	460000
24	64955/09.09.2 020, ADER 1.4.2	"Refacerea capacității de producție și protecție a agroecosistemelor din zona solvilor nisipoase prin promovarea în cultură a unor specii de plante tolerante la stresul termohidric, fasoliță, sorg, secară"	Matei Gheorghe	1. Florea Denisa-Florența	2020-2022	45000
25	23/12.07. 2017; PN-III-P4-ID- PCE-2016- 0130	" Analiza calitativă și numerică a unor clase de sisteme diferențiate anizotrope și aplicații (QNIDASA)"	Rădulescu Vicențiu	1. Golumbeanu Alin Ionuț	2017-2018	850000
26	25/2018, PN- III TE	"Modelarea, simularea și controlul avansat al biosistemelor" acronim MOSCBIOS	Roman Monica-Gabriela	1. Constantinescu Radu- Lucian 2. Olaru Sorin 3. Popa Bogdan	2018-2020	314800
27	9PCCDI/ 2018/P1	Proiect P1 „Dezvoltarea unor tehnologii inovative de cultivare la specii cu potențial energetic pentru biomasă"	Matei Gheorghe	1. Florea Denisa-Florența	2018-2021	364896
28	12PCCDI/ 2018	"Creșterea capacității instituționale de cercetare-dezvoltare-inovare în domeniul pomiculturii ecologice"	Botu Mihai	1. Firu (Bizera) Mihaela	2018-2021	153307

29	15PCCDI/ 2018	„Fabricarea, calibrarea și testarea de sisteme integrate avansate de senzori pentru aplicații în securitate socială (TESTES)” Proiect 4 „Tehnologii pentru membrane active ale senzorilor pe bază de trioxid de wolfram dopat”	Osiac Mariana	1. Jigău Maria	2018-2021	739187
30	15PCCDI/ 2018	„Fabricarea, calibrarea și testarea de sisteme integrate avansate de senzori pentru aplicații în securitate socială (TESTES)” Proiect 3 „Senzori de presiune mobili pentru monitorizarea undelor de șoc datorate exploziilor bazați pe heterostructuri ceramice-polimerice”	Popescu Dorin	1. Roibu Horațiu 2. Abagiu Marian-Marcel	2018-2021	380000
31	78PCCDI/ 2018	„Conducerea inteligență și distribuită a 3 sisteme autonome complexe integrate în tehnologii emergente pentru asistare personală medico-socială și deservire de linii de fabricație flexibilă de precizie- CIDSACTECH”	Cojocaru Dorian	1. Dragomir Andrei 2. Marinic Alexandru-Marin	2018-2021	171500
32	80PCCDI/ 2018	„Tehnologii emergente pentru valorificarea industrială a structurilor 2D (grafene și nongrafene)- Acronim EMERG2IND”	Osiac Mariana	1. Radu Mădălin-Stefan 2. Popescu Valentina 3. Butte Tudor-Mihai 4. Păuna (Streche) Alina-Maria	2018-2021	906500
33	87PCCDI/ 31.03.2018	Tehnologii emergente pentru contractarea electrolor induse de curgerea turbulente ale mediilor fluide-CONTUR	Lungu Romulus	1. Efrim Nicoleta-Claudia	2018-2021	320635
Nr.total doctoranzi implicați					56	

4) Repartizare_locuri_buget_Scoli_Doctorale_si_domenii_doctorat_an_univ_2021_2022.pdf

IOSUD - UNIVERSITATEA DIN CRAIOVA

REPARTIZAREA LOCURILOR FINANȚATE DE LA BUGETUL DE STAT PE ȘCOLI DOCTORALE și DOMENII DE DOCTORAT, pentru anul universitar 2021 - 2022

COD SD	Școala Doctorală	Domeniul de doctorat	PUNCTAJ ȘCOALA DOCTORALĂ	BUGET		2021 TOTAL cu frecvență, cu bursă și fără bursă
				CU FRECVENȚĂ, CU BURSA	CU FRECVENȚĂ, FĂRĂ BURSA	
1	Școala Doctorală "Alexandru Piru"	Filologie	151	5	5	10
2	Școala Doctorală de Teologie Ortodoxă "Sfintul Nicodim"	Teologie	54	3	1	4
3	Școala Doctorală de	Istorie	52	0	1	3
		Sociologie		1	0	
		Știința sportului și educației fizice		0	1	
4	Școala Doctorală de Drept	Drept	71	3	2	5
5	Școala Doctorală de Științe Economice	Cibernetică și statistică*	137	1	0	9
		Contabilitate		1	1	
		Finanțe		1	1	
		Economie		0	1	
		Management		1	2	

Page 1

6	Școala Doctorală "Constantin Belea"	Ingineria sistemelor	35	1	0	3
		Calculatoare și tehnologia informației*		1	0	
		Mecatronica și robotică		0	1	
7	Școala Doctorală de Inginerie Electrică și	Inginerie electrică	12	1	0	1
8	Școala Doctorală "Academician Radu	Inginerie mecanică*	25	1	1	3
		Inginerie industrială		0	1	
9	Școala Doctorală de Ingineria Resurselor	Agronomie	100	0	0	6
		Horticultură		3	3	
10	Școala Doctorală de	Matematică*	50	0	1	4
		Fizică		0	1	
		Chimie		1	0	
		Geografie		1	0	
		TOTAL IOSUD	687	25	23	48
	Orice Școala Doctorală	Orice Domeniu de doctorat		0	3	3
		TOTAL		25	26	51

NOTĂ privind repartizarea pe domenii a locurilor

destinate candidaților romi:

Pentru a nu limita libertatea de alegere a domeniului de doctorat la înscrierea la Colocviu de admitere, cele trei locuri atribuite candidaților de etnie rromă vor fi distribuite pe domenii în funcție de candidații înscriși în Sesiunea Septembrie 2021 și de opțiunile lor pentru un domeniu sau altul.

* Domeniile prioritare care au primit câte un loc dintre cele destinate domeniilor prioritare

Page 2

Pentru a nu limita libertatea de alegere a domeniului de doctorat la înscrierea la Colocviu de admitere, locul cu bursă destinat candidaților români de pretutindeni va fi distribuit pentru un domeniu, în funcție de candidații înscriși în Sesiunea Septembrie 2021, de opțiunile lor pentru un domeniu sau altul și de rezultatele colocviului de admitere la studii doctorale. Repartizarea locurilor în cadrul școlii doctorale "Constantin Belea" se poate modifica, în funcție de candidații înscriși și de punctajul obținut la admitere.

Criterii pentru repartizarea locurilor la doctorat finanțate de la bugetul de stat

Nr crt	Denumire criteriu	Punctaj
1	Conducători de doctorat cu vârsta până la 65 de ani la data de 1 octombrie	*1 pentru fiecare conducător
3	Teze finalizate și susținute public în termen de 3 ani	*2 puncte pentru fiecare teză
3	Teze finalizate și susținute public în termen de 5 ani sau mai mult	*1 pentru fiecare teză
4	Absolvenți ai tezelor de doctorat cărora li s-a retras titlul de doctor pentru plagiat, în ultimii cinci ani	* minus 5 puncte pentru fiecare titlu retras
5	Teze pentru care CNATDCU a solicitat autorilor refacerea, completarea, modificarea acestora, în vederea conferirii titlului de doctor autorilor, în ultimii cinci ani	* minus 1 punct pentru fiecare teză respinsă
6	Număr de doctoranzi înmatriculați la buget care au abandonat studiile, în ultimii cinci ani	* minus numărul de doctoranzi care au abandonat studiile

Modul de calcul al numărului de locuri repartizate fiecărei școli doctorale

1. Se adună punctele de la 1 la 6 și se obține punctajul școlii doctorale;
 2. Se adună punctajele școlilor doctorale și rezultă punctajul IOSUD;
 3. Se calculează contribuția procentuală a fiecărei școli doctorale la valoarea punctajului IOSUD;
 4. Procentul contribuției școlii doctorale este înmulțit cu numărul de locuri repartizate pentru UCV și se obține numărul de locuri pentru fiecare școală doctorală;
 5. Conducătorii de doctorat cu vârsta peste 65 de ani pot primi locuri la doctorat numai la taxă;
 6. Conducătorii de doctorat cu vârsta peste 70 de ani nu mai primesc locuri la doctorat, ci doar coordonează activitatea doctoranzilor aflați în stagiul până la finalizarea tezei.
- Repartizarea locurilor în cadrul fiecărei școli doctorale se va face în funcție de criteriile proprii.



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PRORECTORAT CERCETARE ȘTIINȚIFICĂ ȘI RELAȚII CU MEDIUL
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Craiova, Str. A. I. Cuza, nr. 13, 200585, tel: +40-251-413844, fax: +40-251-418803,



NORME

referitoare la constituirea și utilizarea fondului pentru sprijinirea activității de cercetare științifică

În conformitate cu Decizia nr. 1670/17.06.2013 a rectorului Universității din Craiova, precum și a prevederilor din *Regulamentul pentru organizarea și coordonarea activității de cercetare științifică*, se instituie *fondul pentru sprijinirea activității de cercetare științifică* (fondul SACS). Acest fond este coordonat de *Prorectoratul cercetare științifică și relații cu mediul economic*, prin intermediul Departamentului pentru Cercetare și Management Programe (DCMP), avându-se în vedere următoarele norme specifice:

Art. 1. *Obiective*

Fondul SACS al Universității din Craiova are menirea de a stimula creșterea performanțelor științifice și a vizibilității instituției, de a sprijini organizarea unor activități de cercetare-dezvoltare-inovare, atât la nivelul facultăților și structurilor de cercetare, cât și la nivel instituțional.

Art. 2. *Surse de venituri*

(2.1) Fondul SACS se constituie anual, din următoarele surse de venituri:

- sume repartizate de Consiliul de Administrație din contribuția facultăților la fondul centralizat;
- o cotă parte din regia încasată de instituție pentru granturile de cercetare;
- fonduri atrase prin sponsorizări pentru activități de cercetare-inovare.

(2.2) Primele două surse de venituri menționate anterior se alocă prin decizie a Consiliului de Administrație.

(2.3) Din regia aferentă granturilor se vor sprijini exclusiv echipele de cercetare care derulează programele respective, în limita cotelor aprobate de Consiliul de Administrație. Sumele din această categorie aferente unui an calendaristic, nesolicitate de directorii de grant pe parcursul anului respectiv sau al anului următor, se vor reporta și vor intra în structura generală a fondului SACS.

(2.4) Fondurile atrase prin sponsorizări vor fi puse integral la dispoziția facultății/departamentului independent care le-a obținut pentru a fi utilizate conform prevederilor impuse de sponsor.

Art. 3. *Distribuirea fondului SACS*

După constatarea resurselor disponibile pentru constituirea fondului SACS, prorectorul cu cercetarea va propune Consiliului cercetării științifice al universității o modalitate de împărțire a fondului în următoarele componente:

- *fond de cercetare descentralizat*, repartizat către facultăți și către cele trei departamente independente pentru susținerea inițiativelor acestora legate de stimularea cercetării;
- *fond de cercetare centralizat* administrat direct de Prorectoratul cercetare științifică și relații cu mediul economic.

Art. 4. *Fondul de cercetare descentralizat*

- (4.1) Fondul de cercetare descentralizat se va utiliza de facultăți/ departamente independente pentru:
- (i) premiarea rezultatelor de mare impact în activitatea de cercetare* obținute de cadrele didactice și cercetătorii proprii pe parcursul anului calendaristic anterior;
 - (ii) acordarea de suport financiar pentru participarea la manifestări științifice de mare impact*;
 - (iii) alte activități specifice, precum: organizarea de manifestări științifice, achiziția de materiale, echipamente, cărți sau reviste, editarea unor publicații științifice, plata unor taxe de publicare în reviste de impact* sau a unor taxe de afiliere la organisme internaționale, etc.
- (4.2) La începutul fiecărui an calendaristic, facultățile/ departamentele independente vor transmite către DCMP o adresă semnată de decani/ directorii departamentelor independente în care vor menționa repartizarea orientativă a fondului primit pe cele trei categorii de activități (i), (ii), (iii) menționate în paragraful anterior. Pe parcursul anului, în limita fondului alocat se vor putea propune corecții ale repartizării inițiale.
- lista provizorie a manifestărilor științifice și a celorlalte activități pe care le consideră de impact* și le propun pentru a fi susținute financiar.
- (4.3) Premiarea rezultatelor de mare impact obținute într-un an calendaristic în domeniul cercetării și inovării se va realiza la începutul anului calendaristic următor, după centralizarea și validarea acestora la nivelul DCMP. Premiarea se va realiza în funcție de criteriile/punctajele stabilite de *Consiliul cercetării științifice* pentru competiția respectivă și în limita fondului disponibil pentru fiecare facultate/ departament independent. Decanii/ directorii departamentelor independente vor transmite la DCMP un tabel cu persoanele și/sau lucrările propuse pentru premiere, în conformitate cu criteriile stabilite. După avizarea listelor finale de către prorectorul cu cercetarea, acestea vor fi transmise către Direcția Generală Administrativ-Economică pentru menținerea evidenței contabile a cheltuielilor.
- (4.4) Sprijinul financiar pentru participarea la manifestări științifice va consta din acoperirea totală sau parțială a costurilor legate de transport, diurnă, cazare și/sau taxă de conferință. Pot beneficia de un astfel de sprijin cadre didactice, cercetători sau alți angajați care vor trebui să prezinte, odată cu documentele legate de manifestarea respectivă, o cerere pe care decanul facultății sau directorul departamentului independent de care aparțin să menționeze suma alocată, precum și faptul că respectiva conferință se încadrează în categoria manifestărilor de mare impact*. Cererea va fi avizată de prorectorul cu cercetarea științifică după verificarea documentelor depuse.
- (4.5) Solicitarea unor sume pentru activități prevăzute la punctul (iii) de la paragraful (4.1) se va putea face printr-un referat adresat prorectorului cu cercetarea care va menționa activitatea, suma totală și tipul de cheltuieți solicitate. Referatul va fi semnat de decan sau avizat de acesta.

Art. 5. *Fondul de cercetare centralizat*

- (5.1) Fondul de cercetare centralizat reprezintă o cota parte din fondul SACS administrată direct de Prorectoratul cercetare științifică și relații cu mediul economic. Acest fond va fi utilizat pentru:
- (i) sprijinirea echipelor de cercetare care derulează proiecte și au contribuit la fondul centralizat cu anumite sume din granturile câștigate;
 - (ii) cofinanțarea unor noi programe de cercetare, etc.
 - (iii) lansarea unor competiții interne de granturi.
- (5.2) Cheltuielile de tip (i) din paragraful (5.1) se referă la cheltuieli în limita aprobată prin decizia Consiliului de Administrație, pe care directorul unei echipe de cercetare le poate solicita din cotele de regie ale proiectelor sale aferente anului în curs și anului anterior. Solicitarea se va face prin referat adresat prorectorului cu cercetarea, sumele nesolicitate în termenul menționat anterior urmând să fie reportate către fondul de cercetare centralizat. La finalul fiecărui an calendaristic se va realiza o evidență clară a cheltuielilor de acest tip realizate la nivelul fiecărui proiect de cercetare. Cheltuielile ce pot să fie solicitate sunt:

(i) acordarea de suport financiar pentru participarea la manifestări științifice de mare impact*: transport, diurnă, cazare și/sau taxă de conferință;

(ii) susținerea unor activități precum: organizarea de manifestări științifice, achiziția de materiale, echipamente, cărți sau reviste, editarea unor publicații științifice, plata unor taxe de publicare în reviste de mare impact* sau de afiliere la organisme internaționale, etc.

(5.3) Decizia privind cofinanțarea unor programe noi din fondul de cercetare centralizat se va lua cu avizul Consiliului cercetării științifice și va viza programe de interes general (achiziția unor baze de date, etc.).

(5.4) O direcție prioritară în care se vor investi sumele din fondul de cercetare centralizat va consta în lansarea unor competiții interne de granturi. Aceste competiții vor viza cu precădere tinerii cercetători care vor primi granturi pentru realizarea unor teme de cercetare fundamentală sau aplicativă. Condițiile de eligibilitate și criteriile de evaluare vor fi stabilite prin consultare cu fiecare facultate/departament independent și vor fi anunțate prin apelurile lansate către întreaga comunitate academică.

Art. 6. *Administrarea fondului SACS*

Administrarea fondului SACS se va realiza de către Direcția Generală Administrativ-Economică și DCMP. Acestea vor ține o evidență la zi a sumelor disponibile și a cheltuielilor din fondul SACS pentru fiecare proiect de cercetare, facultate sau departament independent. Toate cheltuielile din acest fond se vor realiza cu aprobarea prorectorului cu cercetarea și numai în condiția existenței efective a sumelor solicitate în contul instituției.

Avizat CCS: 15.09.2016

Aprobat Senat UCV: 29.09.2016

NOTĂ: * Prezentul regulament a fost completat de Consiliul Cercetării Științifice din data de 16.11.2017 cu o ANEXĂ care definește rezultatele considerate de mare impact în activitatea de cercetare. Această Anexă se va actualiza în funcție de criteriile luate în considerare de CNFIS pentru finanțarea suplimentară, prin indicatorul de calitate IC2.

LISTA
REZULTATELOR CONSIDERATE DE MARE IMPACT ÎN CERCETAREA ȘTIINȚIFICĂ
[Conform Art.4 (4.1.)]

- Articole publicate în reviste științifice:
 - *Nature* sau *Science*
 - reviste cotate ISI sau ISI Arts&Humanities
 - reviste indexate în ERIH INT2/INT1 sau ERIH Plus
- Articole publicate in extenso în:
 - ISI Proceedings
 - ERIH INT2/INT1 sau ERIH Plus Proceedings
 - IEEE Proceedings
- Brevete
 - înregistrate la OSIM
 - europene/ internaționale
 - triadice
- Participarea la proiecte artistice, nominalizări și premii la nivel național și internațional:
Conform listei stabilite de Consiliul Profesorat.
- Participarea la proiecte artistice, nominalizări și premii la nivel internațional de vârf:
 - domeniul muzică: Festivalul Internațional George Enescu, BBC Proms, Salzburg Festival, Sali spectacole (Concert House Viena, Tom Halick Zurich, Metropolitan, Scala);
 - domeniul teatru: Edinburg, Avignon, Festivalul Uniunii teatrelor din Europa - Itinerant, Festivalul Internațional de la Viena, Festivalul Internațional de la Sankt-Petersburg;
 - domeniul film: Oscar, Globul de Aur, Cannes, Berlin, Veneția, BAFTA;
 - domeniul arte vizuale: Bienala de Artă de la Veneția, Cvadriena de la Kassel, Muzeu (Museum of Modern Art - MoMA, Tate, Centrul Național de Artă și Cultură Georges Pompidou);
- Performanțe și premii sportive:
 - locul I la campionate de nivel național / universitar
 - locurile I, II, III, la competiții de nivel european
 - locurile I, II, III, IV, V, VI, la competiții de nivel mondial: Jocuri mondiale, Special Olympic, Jocuri paralimpice, Jocuri Olimpice sau alte competiții oficiale asimilate campionatelor)

Anexă aprobată în Consiliul Cercetării Științifice din data de 16.11. 2017



REGULAMENTUL
privind organizarea și coordonarea activității de cercetare științifică

- EXTRAS -

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- (3) Resursele financiare pentru activitatea de cercetare științifică din cadrul Universității din Craiova pot să provină din:
- granturi de cercetare naționale și internaționale, câștigate prin competiție;
 - participarea la programe de cercetare finanțate din fonduri europene;
 - parteneriate în proiecte științifice sau în activități de proiectare și expertiză cu instituții din țară și din străinătate;
 - programe de cercetare fundamentală și aplicativă încheiate cu instituții publice și cu alți operatori economici, din țară și din străinătate;
 - venituri obținute din sponsorizări, din prestarea unor servicii de expertiză și consultanță, din activitatea de microproducție sau din valorificarea infrastructurii de cercetare și a drepturilor de proprietate intelectuală pe care instituția le deține;
 - fonduri suplimentare alocate de Consiliul de Administrație din alte venituri extrabugetare ale instituției, cu scopul de a încuraja activitatea de cercetare și de creație artistică, de a crește vizibilitatea națională și internațională a instituției.
- (4) Fondurile care fac parte din bugetul cercetării pot să fie utilizate pentru:
- cheltuielile specifice fiecărui proiect de cercetare finanțat, în conformitate cu prevederile impuse de finanțator;
 - susținerea financiară a unor poziții de cercetare create în statele de funcții ale unor departamente;
 - stimularea performanței științifice prin acordarea unor prime de performanță personalului propriu care a obținut rezultate de excelență în cercetare sau în creația artistică;
 - creșterea vizibilității instituției prin organizarea unor conferințe, simpozioane sau manifestări care își propun să valorifice rezultatele unor cercetări proprii;
 - susținerea participării personalului propriu de cercetare la manifestări științifice;
 - lansarea unor competiții interne care să genereze noi structuri de cercetare și să recompenseze rezultatele unor grupuri de cercetare existente.
- (5) În vederea acoperirii unor cheltuieli neeligibile, cât și pentru recompensarea directă a echipelor care au reușit să atragă fonduri prin programe de cercetare științifică, o cotă parte din sumele ce revin instituției sub formă de regie a unui proiect de cercetare se va putea utiliza de respectiva echipă de cercetare. Cuantumul cotei ce se poate utiliza se aprobă prin decizie a Rectorului.
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ANEXA 2 la
Regulamentul privind organizarea și coordonarea activității de cercetare științifică

REGULAMENT
de funcționare a Departamentului de Cercetare Științifică și Management Programe

EXTRAS

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- (6) Propune realizarea unor cheltuieli din fondul de cercetare al instituției, în conformitate cu regulamentul de utilizare a acestui fond. Aceste cheltuieli pot consta în:
- acordarea unor prime de performanță sau a unor stipendii de cercetare;
 - întreținerea paginii web a departamentului și editarea unor materiale promoționale;
 - organizarea unor manifestări științifice sau de promovare a rezultatelor obținute în cercetare în cadrul instituției.
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