



Public Institution
Nicolae Testemitanu State University of Medicine and Pharmacy of the Republic of Moldova

APPROVED

at the Senate Meeting of
Nicolae Testemitanu SUMP
no. 5/1 of May 28, 2020

Action plan

on the implementation of the Research and Innovation Reinforcement Strategy of Nicolae Testemitanu State University of Medicine and Pharmacy from the Republic of Moldova, 2020-2030

General objective 1. Modernize the research structure and reshape it into an adequate structure aimed at coordinating health-related research studies within the Republic of Moldova, as well as providing research training, scientific competitiveness, and both national and international partnerships

Specific objectives	Actions	Deadlines	Responsible for implementation	Progress and key performance indicators	Note Achievement
1	2	3	4	5	6
1.1. Re-plan the organizational research structure of Nicolae Testemitanu SUMP by involving all the university departments, subdivisions, deanships in the management of research processes and to found the National	1.1.1. Developing the concept of National Institute of Research in Medicine and Health, including the organizational chart and the University Senate Approval	2020	- Research Department - PhD School - Internal Auditing Department	The concept of the National Institute of Research in Medicine and Health, elaborated and submitted for approval to the University Senate	
	1.1.2. Developing functioning regulations of the National Institute of Research in Medicine and Health, being approved correspondingly	2020	- Research Department - Legal Department	The functioning Regulation of the National Institute of Research in Medicine and Health, elaborated and submitted for approval correspondingly	

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<p>Institute of Research in Medicine and Health based on the scientific potential of the University.</p>			<ul style="list-style-type: none"> - Human Resource Department - Department of Economics, Budget and Finance - Internal Auditing Department 		
	<p>1.1.3. Planning of the necessary staff amount for the newly created structures within the National Institute of Research in Medicine and Health</p>	<p>2021</p>	<ul style="list-style-type: none"> - Research Department - Legal Department - Human Resource Department - Department of Economics, Budget and Finance 	<p>The staff lists of the newly created structures of the National Institute of Research in Medicine and Health approved</p>	
<p>1.2. Reorganize the Science Department and adjust its functional structure according to the organizational chart in order to ensure training through research.</p>	<p>1.2.1. Providing a procedure for changing the name of Science Department subdivision into the Research Department</p>	<p>2020</p>	<ul style="list-style-type: none"> - Research Department - Legal Department - Human Resource Department - Public Relations and Communication Department 	<p>The subdivision named Research Department approved</p>	

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	1.2.2. Ensuring the Research Department with proper working conditions	2020	<ul style="list-style-type: none"> - Research Department - Department of Economics, Budget and Finance - Heritage Administration Department 	Adequate working conditions within the Research Department	
	1.2.3. Developing the research organizational structure chart of the students (a constituent part of the university research structure) responsible for the activity of the scientific circles, as well as providing annual planning meeting agenda	2021	<ul style="list-style-type: none"> - Research Department - EAMD 	The research organizational structure chart of the students (a constituent part of the university research structure) responsible for the activity of the scientific circles, as well as the approved annual planning meeting agenda	
1.3. Organize the functional network activity of student scientific circles within the departments and research subdivisions of Nicolae Testemitanu SUMPh.	1.3.1. Organizing the Student's Research Society, as well as elaborating and approving its operating regulations	2020	<ul style="list-style-type: none"> - Research Department - EAMD - Deanships 	The operating regulations of the Student's Research Society, developed and approved accordingly	
	1.3.2. Organizing the functional activity of scientific circles within the University subdivisions	2020	<ul style="list-style-type: none"> - Research Department - EAMD - Deanships - University departments, subdivisions 	The documented number of University subdivisions with functional scientific circles	

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	1.3.3. Encouraging students and residents' application to various scientific projects within national and international programs and projects	2020-2030	<ul style="list-style-type: none"> - Research Department - EAMD - Deanships - University departments, subdivisions 	The annual number of students and residents involved in scientific projects within national and international programs and projects	
	1.3.4. Providing coordination for the research activities within each faculty	2020	<ul style="list-style-type: none"> - Research Department - EAMD - Deanships - University departments, subdivisions 	<ul style="list-style-type: none"> - The number of research deputy deans appointed to each faculty - The 2020-2021 Research Activity Plan, developed and approved within each faculty 	
General objective 2. Modify the current research infrastructure into a modern infrastructure, thus providing advanced scientific research studies, research training and technology transfer within the international research networks and infrastructures					
2.1. Reorganize the structural-functional activity of the Central Scientific Laboratory into a Biomedicine & Health Research Center that will become a modern structure of fundamental and translational research studies, provided with subunits according to the new organizational chart	2.1.1. Exploring the feasibility study on the reconstruction (new construction) of the Central Laboratory	2020	<ul style="list-style-type: none"> - Research Department - Heritage Administration Department - Human Resource Department - Legal Department 	Documented feasibility study for the reconstruction of the Central Laboratory building	

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2.2. Reconstruct the Central Scientific Laboratory according to up-to-date technical / technological requirements for basic research infrastructures	2.2.1. Developing the reconstruction project (new construction) of the Central Laboratory	2021	- Research Department - Heritage Administration Department	The developed and submitted for approval Reconstruction project (new construction) of the Central Laboratory building	
2.3. Organize the Center of Advanced Biomedical Technologies (Core Research Facility)	2.3.1. Developing the management plan of the Center for Advanced Biomedical Technologies	2021	- Research Department - Internal Auditing Department	The approved management plan for the Center for Advanced Biomedical Technologies	
2.4. Reorganize the Animal House Facility	2.4.1. Providing feasibility study and designing the reconstruction project (new construction) of the Animal House Facility according to the international requirements	2021	- Research Department - Heritage Administration Department	1) The completed and documented feasibility study for the reconstruction of the Animal House Facility 2) The developed and submitted for approval Reconstruction project (new construction) of the Animal House Facility according to international requirements.	
2.5. Provide a Technology Transfer Section with Innovational Incubator within the Biomedicine & Health Research Center	2.5.1. Developing functional Regulations of the Biomedicine & Health Research Center and its subunits	2021	- Research Department - Legal Department - Internal Auditing Department	The functioning regulation of the Biomedicine & Health Research Center, as well as of its subunits, developed and submitted for approval to University Senate.	

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2.6. Organize the population-based Biobank within thematic subdivisions within the Biomedicine & Health Research Center	2.6.1. Implementing the recommendations on the feasibility study for the foundation of the population-based Biobank	2021-2022	- Research Department	Recomandările studiului de fezabilitate pentru fondarea Biobăncii populaționale în cadrul Centrului de Cercetare în Domeniul Sănătății și Biomedicinei implementate	
2.7. Provide modern research equipment and instruments for subdivisions	2.7.1. Developing the general management plan for the research infrastructure of Nicolae Testemitanu SUMPh, including the task and calendar planning agenda	2021-2022	- Research Department - Department of Economics, Budget and Finance - Internal Auditing Department	1) The general management plan of the research infrastructure of Nicolae Testemitanu SUMPh, developed and submitted for approval 2) The task and calendar planning agenda for the General Research Infrastructure Management Plan, developed and submitted for approval	
2.8. Create an information system of the research field within Nicolae Testemitanu SUMPh, including the PhD School in the field of medical sciences subdivision	2.8.1. Developing the task and calendar planning agenda for elaboration / testing / implementation of the research database of Nicolae Testemitanu SUMPh	2021	- Research Department - PhD School - Department of Information and Communication Technologies - Internal Auditing Department	The task and calendar planning agenda for elaboration / testing / implementation of the research database system of Nicolae Testemitanu SUMPh, developed and submitted for approval	

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General objective 3. Implement practical research training principles					
3.1. Effectively implement the research training disciplines (Biostatistics and scientific research methodology) within the curriculum	3.1.1. Submitting a proposal to EAMD of Nicolae Testemitanu SUMPh on introducing “Biostatistics and methodology of scientific research” as an optional discipline for students from 1st-3rd study years and mandatory for the 4th year students, who start preparing for undergraduate thesis defence	2021	- Research Department - PhD School - EAMD - Deanships	Proposal submitted to EAMD of Nicolae Testemitanu SUMPh on introducing “Biostatistics and methodology of scientific research” as an optional discipline for the 1st-3rd year students and mandatory for the 4th year ones.	
3.2. Revitalize the student research activities by ensuring proper functioning of student scientific circles within the university subdivisions, as well as of various interdisciplinary clubs	3.2.1. Elaborating and implementing the functional regulations of the student scientific circles within the University subdivisions	2021	- Research Department - EAMD - Deanships - University departments, subdivisions	The developed, approved and implemented regulation on student scientific circle activity within the University subdivisions	
3.3. Provide inter- and cross-disciplinary research practices among students and residents	3.3.1. Encouraging student and resident involvement in research activities conducted within various departments, laboratories and other University subdivisions	2020-2030	- Research Department - EAMD - Deanships - University departments, subdivisions	The number of students and residents involved in research activities within the University subdivisions	
3.4. Ensure ongoing research activities	3.4.1. Developing the doctoral promotion system based on the	2021-2025	- PhD School	Regulation for doctoral promotion based on the research	

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throughout the study cycles (university, residency and doctorate training), being extended to postdoctoral programs	research findings obtained at the university graduate and postgraduate stages within the residency study program		<ul style="list-style-type: none"> - Research Department - EAMD - Internal Auditing Department - Deanships - University departments, subdivisions 	findings obtained at university graduate and postgraduate training within the residency program, developed and submitted for approval	
	3.4.2. Developing, agreeing and implementing the policy and mechanisms for the selection of postdoctoral candidates	2021-2025	<ul style="list-style-type: none"> - PhD School - Research Department - Internal Auditing Department 	The correspondingly developed, approved and implemented policy and mechanisms for the selection of postdoctoral candidates	
	3.4.3. Promoting cross-disciplinary studies and international cooperation for post-doctoral studies	2021-2025	<ul style="list-style-type: none"> - PhD School - Research Department 	The annual number of cross-disciplinary studies and international cooperation for post-doctoral studies	
3.5. Promote the choice / approval of scientific research topics among 2nd-3rd year residents	3.5.1 Developing, approving and implementing the research database system of students and residents	2020-2030	<ul style="list-style-type: none"> - PhD School - Research Department - EAMD - Deanships 	The developed, approved and functional student and resident's research database system	
3.6. Provide students and residents with necessary research skills for for training in doctoral studies	3.6.1. Developing, approving and implementing the research scoring system for students and residents	2020-2030	<ul style="list-style-type: none"> - PhD School - Research Department - EAMD - Internal Auditing Department 	The developed, approved and applied research scoring system for students and residents	

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			- Deanships		
3.7. Choose the research topic for undergraduate research thesis during the 2nd-4th study years. To encourage student participation in preclinical stage researches of university training (integrated studies)	3.7.1. Submitting a proposal to EAMD of Nicolae Testemitanu SUMPh regarding the modification of the defending procedure for the undergraduate research works, including the topic selection by the 2nd-4th year students of integrated studies	2020	- Research Department - EAMD	Proposal submitted to EAMD of Nicolae Testemitanu SUMPh regarding the modification of the defending procedure for the undergraduate research thesis, including the topic selection by the 2nd-4th year students of integrated studies	
General objective 4. Facilitate international research strategies within Nicolae Testemitanu SUMPh by adhering to Open Science principles					
4.1. Comply the strategic research directions of Nicolae Testemitanu SUMPh with the international strategic research directions	4.1.1. Modification/ adjustment of the procedures/ internal criteria for the selection of doctoral topics submitted to PhD thesis contest according to the strategic directions, clusters and the normative framework	2020-2030	- PhD School - Research Department - External Relations and European Integration Department	Modified and approved internal procedures / criteria for selection of PhD subjects	
4.2. Comply the doctoral and postdoctoral projects with the international priorities and projects, by encouraging the doctoral / postdoctoral students to participate within international projects	4.2.1. Extending partnerships with other universities / research centres within the Erasmus + program, etc.	2020-2030	- Research Department - External Relations and European Integration Department	Number of annual partnership agreements	

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4.3. Promote doctoral and postdoctoral research studies via international collaborations and co-supervision	4.3.1. Promoting short and long-term doctoral and postdoctoral research fellowships provided by international structures	2020-2030	<ul style="list-style-type: none"> - PhD School - Research Department - External Relations and European Integration Department 	Annual number of researchers who have won short and long-term doctoral and postdoctoral research fellowships offered by international structures	
4.4. Provide research staff training via international programs (master and doctoral programs)	4.4.1. Creating conditions for the training of young researchers through international programs (master and doctorate programs)	2020-2030	<ul style="list-style-type: none"> - PhD School - Research Department - External Relations and European Integration Department 	1) The number of Master's students trained within international programs 2) The number of PhD students trained within international programs	
	4.4.2. Continuous training of researchers within academic mobility policy		<ul style="list-style-type: none"> - PhD School - Research Department - External Relations and European Integration Department 	The number of research internships carried out over 1 month of academic mobility	
4.5. Create international clusters for priority research directions	4.5.1. Hosting the RRC of ICGEB at Nicolae Testemitanu SUMPH	2020-2030	<ul style="list-style-type: none"> - PhD School - Departamentul Cercetare 	RRC of ICGEB hosted at Nicolae Testemitanu SUMPh	

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4.6. Promote the participation of researchers from Nicolae Testemitanu SUMPh as experts in European programs (Horizon Europe Framework Programme, COST, JPI etc.)	4.6.1. Notifying the scientific staff about the current opportunities on working as international experts	2020-2030	- Research Department - PhD School	The amount of information seminars documented via minutes	
4.7. Implement the Open Science principles within Nicolae Testemitanu SUMPh	4.7.1. Systematic review and adjustment of the University's policy regarding the employment, scientific staff promotion, free access to information and research findings supported by public funds, and preserving the obtained logo HR EXCELLENCE IN RESEARCH	2020-2030	- Human Resource Department - Legal Department - Research Department - PhD School	The maintenance of HR EXCELLENCE IN RESEARCH logo. The systematically updated University's policy on engagement of researchers according to international requirements	
	4.7.2. Introducing the international and national projects within the Medical Sciences Repository of the Medical Scientific Library at Nicolae Testemitanu SUMPh	2020-2030	- MSL - Research Department - PhD School	The amount of international and national projects introduced in Medical Sciences Repository of the Medical Scientific Library at Nicolae Testemitanu SUMPh	
4.8. Introduce Nicolae Testemitanu SUMPh within the international infrastructure systems regarding the research-innovation domain (CERIC, ERIC, BBMRI, ICGB)	4.8.1. Providing conditions/ premises for foreign researchers, who have successfully submitted projects for placing their laboratories / research groups within Nicolae Testemitanu SUMPh	2020-2030	- Research Department - External Relations and European Integration Department - PhD School	The number of foreign researchers that have won projects to be conducted within the laboratories / research groups of Nicolae Testemitanu SUMPh	

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4.9. Apply the European and world research infrastructures in conducting and initiating scientific studies at Nicolae Testemitanu SUMPh	4.9.1. Providing premises for the researchers from Nicolae Testemitanu SUMPh to carry out projects based on European and global research infrastructures	2020-2030	- Research Department - External Relations and European Integration Department - PhD School	The number of contract research activities	
4.10. Provide the university international expert registration and encourage the employees of Nicolae Testemitanu SUMPh to participate as experts	4.10.1. Notifying the scientific staff about the current opportunities on working as international experts	2020-2030	- Research Department - External Relations and European Integration Department - PhD School	1) The number of links placed on the University website on the current opportunities for working as international experts 2) The number of researchers and employees of Nicolae Testemitanu SUMPh, who work as international experts	
4. 11. Involve the scientific diaspora in the development of the research domain within Nicolae Testemitanu SUMPh, by developing strong relationships with the diaspora and scientists with University honorary titles	4.11.1. Development of the scientific diaspora register and its further use to optimize research activities	2021	- Research Department	The development and approval of scientific diaspora register	

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4.12. Optimize the contractual relationships with international partner institutions for developing and performing solid projects/ strategies	4.12.1. Encouraging the University staff to participate as guest speakers at international conferences, as well as being guest lecturers for teaching abroad	2020-2030	- Research Department	The number of Nicolae Testemitanu SUMPh staff, invited as speakers at international conferences and as lecturers teaching abroad	
General objective 5. Enhance the technology transfer effectiveness for research findings conducted within Nicolae Testemitanu SUMPh					
5.1. Implement the European policies for intellectual property management within Nicolae Testemitanu SUMPh	5.1.1. Training the Research Department and Legal Department staff regarding the European Intellectual Property Management (IPM) policies and procedures	2020-2030	- Research Department - Legal Department	The Research Department and Legal Department staff, trained and certified in European Intellectual Property Management (MPI) policies and procedures	
	5.1.2. Development and approval of internal IMP procedures	2021	- Research Department - Internal Auditing Department	Internal MPI procedures, developed and approved accordingly	
5.2. Establish the Technology Transfer Section with Innovational Incubator, equipped with innovative incubator at Nicolae Testemitanu SUMPh	5.2.1. Development and approval of the operating regulation of the Technology Transfer Section with Innovational Incubator, equipped with innovative incubator	2021	- Research Department - Legal Department - Internal Auditing Department	The developed and approved operating regulations of the Technology Transfer Section with Innovational Incubator, equipped with innovative incubator	
5.3. Direct the research studies towards potential	5.3.1. Developing standard operational procedures (SOP) and	2020-2030	- Research Department	1) The developed Standard Operating Procedures (SOPs)	

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smart specialization niches, identified within the entrepreneurial activity and smart specialization strategy for the Republic of Moldova	the capitalization guidelines for the research findings		- Internal Auditing Department	2) The developed capitalization guidelines for the research findings	
5.4. Implement the assessment procedure for technological, economic and financial effect of the research projects, including the doctoral and postdoctoral studies	5.4.1. Technical endowment of the Technology Transfer Section with Innovational Incubator with an innovative incubator	2020-2030	- Research Department - Department of Economics, Budget and Finance - Procurement and Marketing Department	The functional Technology Transfer Section with Innovational Incubator, technically equipped with innovative incubator	
5.5. Provide University's support for the international patenting of intellectual property objects (IPOs) showing economic potential	5.5.1. Active participation of the University in entrepreneurial discovery process regarding Biomedicine, Biopharmaceuticals, and Bioinformatics within the S3 development for the Republic of Moldova	2020-2030	- Research Department - PhD School	1) The amount of applications submitted to AGEPI 2) Numărul de brevete obținute	
	5.5.2. Developing and disseminating the assessment approach of the technological and economic impact of the research findings	2021-2025	- Research Department - PhD School	The developed and disseminated methodological approach for assessing the technological and economic impact of the research findings	

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	5.5.3. Submitting proposals towards the University Senate in order to support the international IPOs patenting that show an economic potential	2021	- Research Department	The University Senate decision on supporting the international patenting of IPOs having economic potential	
5.6. Adjust the scientific doctoral and postdoctoral projects, as well as other research projects towards their practical implementation	5.6.1. Submitting the proposal to the PhD School in the field of medical sciences on the mandatory practical implementation (teaching, clinical and research process) and approval of the doctoral and postdoctoral scientific projects, as well as other research projects as intellectual property	2021	- Research Department - PhD School	PhD School in the field of medical sciences' decision on the mandatory practical implementation (teaching, clinical and research process) and approval of the doctoral and postdoctoral scientific projects, as well as other research projects as intellectual property	
General Objective 6. Increase the research results visibility of Nicolae Testemitanu SUMPh at national and international level. Provide international performance and research visibility by promoting the University image worldwide.					
6.1. Shift from sporadic publications in international database journals to publications based on clear publication criteria, which aim to increase the University visibility and enhance research studies conducted at / or with the participation of Nicolae Testemitanu SUMPh	6.1.1. The development and approval of the Institutional Strategy for scientific publications conducted at Nicolae Testemitanu SUMPh or those involving the University employees	2021	- Research Department - PhD School	The institutional strategy for publishing research studies conducted at Nicolae Testemitanu SUMPh or with the University employees' participation, elaborated and submitted for approval	

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6.2. Improve the Research subdivision of the University web page according to the new research structure, having a more simplified navigation capacity and being connected to the research database system of Nicolae Testemitanu SUMPh	6.2.2. Developing the task agenda for the Research subdivision of the main University web page; providing a tender for emerging the task agenda; its further testing/ implementation	2021	<ul style="list-style-type: none"> - Research Department - PhD School - Department of Information and Communication Technologies - Internal Auditing Department 	The developed and approved task agenda for the Research subdivision of the University web page, according to the new research structure and having a simplified navigation capacity, being connected to the research database system of Nicolae Testemitanu SUMPh	
	6.2.3 The ongoing improvement of Research subdivision content	2020-2030	<ul style="list-style-type: none"> - Research Department - Department of Information and Communication Technologies 	The systematically assessed and updated “Research” subdivision within the Nicolae Testemitanu SUMPh web page	
6.3. Enhance the Moldovan Journal of Health Sciences (MJHS) potential in promoting research visibility of studies conducted at Nicolae Testemitanu SUMPh	6.3.1. Creating optimal conditions for the editorial board activity and reviewers of MJHS magazine	2020-2023	<ul style="list-style-type: none"> - Research Department - Department of Information and Communication Technologies 	Web version of the functional MJHS magazine	
	6.3.2. Designing and implementing the web version of the magazine; including MJHS within international databases and exploring possibilities of applying documents for getting National Register-based category A	2021-2023	<ul style="list-style-type: none"> - Research Department - Department of Information and Communication Technologies 	MJHS journal included in international databases (the number of databases it has been included in)	

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6.4. Encourage employee participation in national and international scientific forums (regional, continental, global)	6.4.1. Developing regulations on promoting / supporting the employee participation within international scientific forums (regional, continental, and global), as well as submitting publications to international journals, particularly to Impact Factor (IF) journals; encouraging the participation of researchers from Nicolae Testemitanu SUMPh to various international exhibitions (regional, continental, and global), based on clear criteria of scientific excellence according to international requirements; approval of the present regulation by the Nicolae Testemitanu SUMPh Senate	2021-2025	- Research Department - PhD School	The developed and submitted to approval regulations on promoting / supporting employee participation at international scientific forums (regional, continental, and global), publications in international journals, particularly to impact factor journals and participation of the University researchers in international exhibitions (regional, continental, and global)	
	6.4.2. Creating the Congress web page, dedicated to the 75th anniversary since Nicolae Testemitanu SUMPh was founded, within the University website https://usmf.md	2020	- Research Department	The designed and functional Congress page included within the University website https://usmf.md	
6.5. Promote publications to be submitted to international journals, particularly to	6.5.1. Including a new budget chapter within the research project budget regarding the total coverage of the publication costs for IF articles > 1.5 within complete,	2020-2021	- Research Department - Department of Economics,	1) Number of articles with IF > 1.5 in full and anonymous peer-reviewed journals with total	

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Impact Factor (IF) Journals	anonymous or partial peer-reviewed, and open-access journals		Budget and Finance	financial support for the publication 2) Number of partially funded open-access publications	
	6.5.2. Increasing the number of articles published in ISI and / or WoS and SCOPUS journals with at least 2 submitted articles annually from each scientific-teaching subdivision	2020-2030	- Research Department - University departments, subdivisions	Number of publications included in ISI and / or WoS, SCOPUS journals (being increased by at least 2 articles per year and submitted from each scientific-teaching subdivision)	
	6.5.3. Encouraging and supporting by all means the research teams that submitted publications to impact factor journals greater than 3	2020-2030	- Research Department - Departamentul Economie, Buget și Finanțe - Human Resource Department	Number of articles submitted to impact factor journals greater than 3	
6.6. Encourage the University researchers to apply for international exhibitions (regional, continental and global)	6.6.1. Including a new budget chapter within the research project budget regarding the financial support for publication fee for researchers, who took part in international scientific events across the Europe and North America or as a guest lecturer (having an official invitation)	2020-2021	- Research Department - Department of Economics, Budget and Finance - Legal Department	Financial support for the University staff, participating as guest lecturers (having an official invitation) within international scientific events across Europe and North America	
6.7. Mediate the University employees' participations within international events	6.7.1. Appointing a PRCD employee responsible for the media coverage of participation in	2020	- Research Department - Public Relations and	A PRCD employee appointed for mediating the scientific events occurring with participation of Nicolae Testemitanu SUMPh	

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	scientific events of Nicolae Testemitanu SUMPh		Communication Department		
6.8. Facilitate the communication of both scientific-teaching staff and students with representatives from other universities	6.8.1. Promoting collaboration and academic mobility of Nicolae Testemitanu SUMPh researchers to prestigious universities abroad for conducting research activities	2020-2030	- External Relations and European Integration Department - Research Department - PhD School	Number of collaborations and work trips of Nicolae Testemitanu SUMPh researchers to prestigious universities abroad for conducting research activities	
	6.8.2. Improving the competitive research grants for 1st year PhD students if related to national priorities / international cooperation potential / potential competition for financing	2020-2030	- PhD School - Research Department	Evaluation of the competitive research grants for 1st -year PhD students if related to national priorities / international cooperation potential / potential competition for financing	
6.9. Provide regular information sessions and active involvement of the Student's Research Society for keeping students informed	6.9. 1. Providing good logistics to increase the number of projects submitted to national and international competitions	2020-2030	- Research Department - PhD School	Number of projects obtained by Nicolae Testemitanu SUMPh researchers	
General objective 7. Improve responsible research practices and the quality of research findings. Promote research excellence, academic integrity and research ethics					

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7.1. Establish an inter-university Center for checking similarities between scientific papers	7.1.1. Developing and approving the Anti-Plagiarism Center status	2021-2025	- PhD School - Research Department	The developed and approved status of Anti-Plagiarism Center	
	7.1.2. Elaborating and agreeing on the Anti-Plagiarism Center regulations	2021-2025	- PhD School - Research Department	The developed and approved Regulations of the Anti-Plagiarism Center	
	7.1.3. Developing and approving the fee and costs regulations of plagiarism detection services for internal and external users	2021-2025	- PhD School - Research Department - Department of Economics, Budget and Finance	The developed and approved fees and costs regulations on plagiarism detection services for internal and external users	
7.2. Evaluate all the scientific works conducted at Nicolae Testemitanu SUMPH or written with the participation of University employees by checking similarities and combating the plagiarism phenomenon	7.2.1. Providing adequate technical capacities for the Anti-Plagiarism Center	2020-2030	- Research Department - Department of Economics, Budget and Finance	Functional Anti-Plagiarism Inter-university Center	
	7.2.2. Training employees to correctly use the anti-plagiarism system	2020-2030	- Research Department - PhD School	Number of employees trained to properly use the anti-plagiarism system	
	7.2.3. Providing effectiveness of the plagiarism detection services by promoting/informing the students, employees of other institutions	2020-2030	- Research Department - PhD School	Cost-effective plagiarism detection services	

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7.3. Initiate checking of the undergraduate research papers by applying the anti-plagiarism tool	7.3.1. Applying the undergraduate research theses to plagiarism detection regulation (amendment of the internal regulations)	2021-2025	- Research Department - EAMD	The internal regulation modified by including a separate chapter on plagiarism detection of undergraduate research papers	
	7.3.2. Development and approval of checking undergraduate research papers by applying the anti-plagiarism tool	2021-2025	- Research Department - EAMD	The concept of applying a developed anti-plagiarism tool for checking undergraduate research papers	
7.4. Extend and strengthen the Open Science principles, including the requirements for excellence in EURAXESS research	7.4.1. Promoting open access publications to the employee of Nicolae Testemitanu SUMPh	2020-2030	- Research Department - MSL	Number of open-access publications submitted by Nicolae Testemitanu SUMPh employees	
	7.4.2. Promoting open access publications of primary data (in strict compliance with ethical requirements) of the research studies conducted in or with the participation of Nicolae Testemitanu SUMPh	2020-2030	- Research Department - MSL	Number of research studies related to open-access primary data conducted in or with the participation of Nicolae Testemitanu SUMPh	
7.5. Promote and implement the principle of autonomy, including the financial one, of university units by increasing their own responsibility for the efficient use of research and innovation resources	7.5.1. Completing the standard regulations on the autonomous activity of the research and innovation subdivisions, including the financial autonomy, as well as the leadership responsibilities provided by autonomy	2020F-2030	- Research Department - Legal Department - Department of Economics, Budget and Finance	Standard regulations for research and innovation subdivisions regarding their autonomous activity, including financial autonomy, as well as the leadership responsibilities provided by their autonomy	

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			- Human Resource Department		
7.6. Develop and apply the University research scoring system based on objective criteria	7.6.1. Elaborating and approving the scientific rating criteria for Nicolae Testemitanu SUMPh	2020-2030	- Research Department - PhD School	The developed and approved scientific rating criteria for Nicolae Testemitanu SUMPh	
7.7. Implement the motivation system (including financial rewarding), based on the research excellence scoring system	7.7.1. Implementing the financial incentive system based on the researchers' performance results	2020-2030	- Research Department - PhD School - Department of Economics, Budget and Finance	Financial stimulation of the researchers based on their practical result performance	
7.8. Implement a competitive strategy for appointing management positions within the research units	7.8.1. Submitting a proposal to the University Administrative Board regarding a competitive appointment of management positions within the research units	2020-2030	- Research Department - Human Resource Department	Proposal on the competitive appointment of management positions within the research units, submitted to the University Administrative Board	
7.9. Provide competitions, coordination and funding resources for internal research projects among students, residents, doctoral and postdoctoral students	7.9.1. Developing the Regulation on awarding the "Nicolae Testemitanu" scholarship	2020-2025	- PhD School	Regulation on the awarding of the "Nicolae Testemitanu" scholarship, elaborated and approved	

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	7.9.2. Developing the Regulation on giving special awards within the Congress dedicated to the 75th anniversary since the foundation of Nicolae Testemitanu State University of Medicine and Pharmacy	2020	- Research Department	The developed and approved Regulation on providing awards within the Congress, dedicated to the 75th anniversary since the foundation of the Nicolae Testemitanu State University of Medicine and Pharmacy	
7.10. Organize and implement the internal auditing of the Research area	7.10.1. Founding an internal audit unit responsible for the research conducted within Nicolae Testemitanu SUMPh, as well as developing its operating regulations	2021-2025	- Research Department	The developed and approved Regulation on founding an internal audit unit responsible for the research conducted within Nicolae Testemitanu SUMPh	
General objective 8. Protect the intellectual property					
8.1. Provide legal protection for intellectual property objects (IPOs) created or acquired by University employees, as well as keeping them valid	8.1.1. Developing a unique policy for the application of the intellectual property objects owned by Nicolae Testemitanu SUMPh: innovations, inventions, utility models, trademarks, and copyright objects (monographs, books, scientific articles, methodological and scientific works, computer programs, databases, etc.), know-hows, scientific research findings, particularly of scientific research reports (projects), etc.	2020	- Research Department - Legal Department - Human Resource Department	The developed and approved unique policy for application of the intellectual property objects produced at Nicolae Testemitanu SUMPh	

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8.2. Develop procedures for obtaining property rights, providing protection and marketing (if necessary) of the intellectual property objects (IPO) by the University)	8.2.1. Developing the Regulation on Intellectual Property within Nicolae Testemitanu SUMPh	2020	- Research Department - Legal Department - Human Resource Department	Nicolae Testemitanu SUMPh Regulation on intellectual property, developed and approved	
	8.2.2. Market researching and providing proposals for the protection of intellectual property objects created within the University, country and abroad	2020-2030	- Research Department	Documented results of systematic IPO market researching and the number of documented proposals regarding the protection of intellectual property objects produced within the University, in country or abroad	
8.3. Capitalize the IPOs owned by Nicolae Testemitanu SUMPh	8.3.1. Providing the individual employment contract with specific clauses, stated by the legislation in force, regarding the intellectual property objects created by the employees within the University (according to the employee work duties)	2020	- Research Department - Legal Department - Human Resource Department	An individual employment agreement providing clauses regarding the production of intellectual property objects within the University	
8.4. Facilitate the registration, monitoring and maintenance of the intellectual property	8.4.1. Training / improvement of the personnel responsible for intellectual property in order to promote the innovation process	2020-2030	- Research Department	Number of trainings / refresher courses related to intellectual property and the number of trainees involved	

1	2	3	4	5	6
portfolio of Nicolae Testemitanu SUMPh	8.4.2. Maintaining the current IPOs portfolio within the national databases and providing free access to the University employees to these particular databases, as well as to databases outside the Republic of Moldova	2020-2030	- Research Department - IPOs` authors	1) umber of intellectual property objects owned by employees from national / international databases 2) Number of accesses to national / international IPO databases performed by University employees	
8.5. Promote, encourage and participate in the development and production of national means of diagnosis, treatment, and prophylaxis, including technologies, methods of obtaining and development of medicines made from local raw material, etc.	8.5.1. Providing methodical assistance to University employees in conducting documentary research in patent literature and other available sources	2020-2030	- Research Department - MSL	Number of University employees, who received methodical assistance in exploring IPO databases, patent literature and other available sources	
8.6. Develop and provide optimal means of sharing between the University and its employees of the obtained benefits resulting from IPOs implementation and marketing	8.6.1. Examining the obtained scientific results, jointly with the University research subdivisions (including the research project leaders), on the potential identification and selection of intellectual property objects produced within Nicolae Testemitanu SUMPh	2020-2030	- Research Department - Research subdivisions - Research project leaders	Number of intellectual property objects produced within Nicolae Testemitanu SUMPh based on the obtained scientific results	

1	2	3	4	5	6
	8.6.2. Developing certain proposals, if necessary, in agreement with the relevant services, on the protection of scientific results or any other findings by providing protection of trade secrets (know-how), including confidentiality agreements	2020-2030	<ul style="list-style-type: none"> - Research Department - Legal Department - Department of Economics, Budget and Finance 	Number of confidentiality agreements developed on the protection of scientific or other results in order to provide trade secret protection (know-how)	
8.7. Encourage the researchers and inventors (including financial rewarding) from Nicolae Testemitanu SUMPh to apply their IPOs and scientific products for various International Research and Innovation Salons	8.7.1. Registering, jointly with the authors, the applications for issuing protection titles for the intellectual property objects created in the University and keeping track of the procedural terms	2020-2030	<ul style="list-style-type: none"> - Research Department - Department of Economics, Budget and Finance 	Number of applications that seek protection titles for intellectual property objects produced within the University with respect to procedural terms	
	8.7.2. Recording applications for registering intellectual property objects and protection titles obtained by the University, as well as tracking their validity	2020-2030	<ul style="list-style-type: none"> - Research Department 	Number of applications for registering intellectual property objects and protection titles obtained by the University based on their validity evidence	
	8.7.3. Increasing the relevance and applicability of PhD theses and Habilitation theses in Medical / Pharmaceutical sciences by implementing the research findings in medical practice or teaching activity based on intellectual property objects (innovation applications, copyright, inventions,	2020-2030	<ul style="list-style-type: none"> - Research Department 	Number of IPOs obtained from PhD theses and Habilitation theses (applications for innovation, copyright, inventions, etc.), implemented in medical practice or in teaching activity confirmed by implementing acts	

1	2	3	4	5	6
	etc.) confirmed by implementing acts				
	8.7.4. Promoting the most valuable inventions (one or more inventions selected by competition / assessment) produced within Nicolae Testemitanu SUMPh to participate at International Invention Salons funded by AGEPI	2020-2030	- Research Department	Number of valuable inventions, selected by competition / evaluation within Nicolae Testemitanu SUMPh, for being exhibited at International Invention Salons, funded by AGEPI	
	8.7.5. the economic and social relevance of the scientific research findings conducted within Nicolae Testemitanu SUMPh	2020-2030	- Research Department - Department of Economics, Budget and Finance	Annual number of products showing economic and social relevance to scientific research findings conducted within Nicolae Testemitanu SUMPh (PhD and Habilitation theses, research projects)	
8.8. Involve students, residents, PhD students, and young researchers in the development and registration of intellectual property objects	8.8.1. Research training of residents and 4th-6th year students by promoting innovative research studies, which might be further applied for innovations / inventions and thus obtaining the innovator certificate or patent	2020-2030	- Research Department	Number of residents and 4th-6th year students involved in innovative research studies that can be further submitted as innovations / inventions and thus obtaining the innovator certificate or patent	