

STUDENT GUIDE

2021-2022



INFORMATION FOR MEDICAL STUDENTS OF THE FACULTY OF MEDICINE



TITU MAIORESCU UNIVERSITY OF BUCHAREST
FACULTY OF MEDICINE
MEDICINE IN ENGLISH SPECIALIZATION

STUDENT GUIDE

Information for future students of the Faculty of Medicine, Medicine in English Specialization

Academic Year: 2021 - 2022.

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1. A Word from the Dean of the Faculty of Medicine



The MEDICINE, GENERAL MEDICAL ASSISTANCE, and MEDICINE IN ENGLISH study programs within the Faculty of Medicine at UTM, through the disciplines and fields of study covered, respond to the new challenges facing Romania in the current context of development. The teaching activity in all study programs of the Faculty is in accordance with the recommendations of the European Union in the field of sectorally regulated specializations, regarding the profession of DOCTOR, respectively Medical Assistant, and in accordance with ARACIS regulations and standards.

As stated by the Vice-President of the Board of Directors, Prof. Smaranda Angheni, *"Titu Maiorescu University is placed, not only by name, under the spiritual authority of Titu Maiorescu, the father of modern Romanian culture and civilization. As a member of the European Universities Association (EUA), the International Association of Universities (IAU), and the European Association of Erasmus Coordinators (EAEC), Titu Maiorescu University actively participates in the creation of a European education system in the current climate, where only the best survive and succeed in such an important field. The direct international relations that UTM has with universities in the EU, Canada, and the US, as well as its participation in the European inter-university exchange program ERASMUS/Long Life Learning Program, are a guarantee of its recognition, including at the international level. All these facts, which show how well-defined its identity is in Romanian higher education, open up a wide range of opportunities for Maiorescu graduates, both nationally and internationally, under the generous banner of the EU."*

The Faculty of Medicine at UTM has numerous achievements, with a past and present that honor us and oblige us towards future generations. All the conditions are in place for valuable results to be achieved in the future and for the training and education of generations of young doctors and nurses to be carried out for the best possible medical care of the population. In this context,

the Faculty of Medicine must continue the process of developing a modern academic institution, integrated into the national education system and compatible with the academic structures of the European Union countries, in accordance with the spirit of Bologna and the content of the National Education Law and recent regulations, methodologies, and codes adopted by *Titu Maiorescu* University in Bucharest in the University Charter.

The clinical activity of students in their third to sixth years of medicine and those at AMG takes place in specialist clinics with which the university has contracts. These include Monza Hospital, CF No. 1 Witting Clinical Hospital, CF No. 2 Bucharest Clinical Hospital, Dr. Carol Davila Central Military Emergency University Hospital, Ilfov County Clinical Hospital, Regina Maria Private Network, Prof. Dr. Al. Obregia," Efigia Clinic, "Dr. Victor Babeș" Clinical Hospital, and "Nicolae Malaxa" Clinical Hospital. The development of collaboration between the faculty of medicine and private hospitals has materialized this academic year with the establishment of numerous clinical departments. We aim to develop these collaborations by providing equipment and conditions that meet European standards for academic education.

The mission of the Faculty of Medicine is to promote education and academic performance in training competitive graduates who can integrate into the labor market in health systems, while ensuring conditions for the teaching staff to demonstrate their value and professionalism. Equally important are: developing an attractive system to motivate future candidates, with a view to broadening the student selection base, as well as focusing efforts on meeting the evaluation criteria for faculties and universities, in order to climb to the top of the national and international rankings for medical faculties and, implicitly, for UTM. In addition to these, achieving a level of research activity that generates knowledge and at the same time increases the national and international visibility of the faculty is undoubtedly an essential goal. All this can only be achieved through teamwork, through collaboration with the entire academic community of the university, based on ethical principles, mutual respect, and understanding.



Within the institutional framework of UTM's educational and scientific research policy, the Faculty of Medicine has taken on the mission of training specialists in the field of medicine and general healthcare at a competitive level, providing competent and specialized personnel to public or private healthcare units at the local, national, or international level.

We have succeeded in laying the foundations for a faculty of medicine with a strong entrepreneurial spirit, integrated into the modern trends of globalised higher education, which makes us unique in Romania from this point of view. Through university autonomy, we have achieved results that were



unthinkable 10-15 years ago, such as the fact that we now have over 2,000 graduates, or that in recent years around 70% of our graduates have passed their residency exams, with some of them ranking first in this competition. Our students have been admitted to the most

sought-after medical or surgical specialties, where they have proven that they can be the best, currently practicing medicine in prestigious hospitals in the country or abroad or holding leadership positions in the medical, governmental, or international fields.

All these achievements were made possible thanks to the continuous efforts of the Faculty of Medicine's management, the work of the Faculty Council, together with the direct support of the teaching staff, students, and the work of the Secretariat.

The Faculty of Medicine at Titu Maiorescu University in Bucharest is a recognized faculty in the field of training health specialists, and this is due to our past, which obliges us, and our present, which honors us. That is why we must look to the future with confidence and hope, and I am sure that together we will succeed.

Dean,

, Associate Professor, PhD Elena RUSU

2. Overview of Titu Maiorescu University in Bucharest

On September 20, 1990, a group consisting mainly of teachers met to establish, under Law No. 21/1924, the Titu Maiorescu Independent University Association. By Civil Judgment No. 59/January 25, 1991, handed down by the Bucharest Sector 1 Court, the Titu Maiorescu Independent University Association was granted legal personality. The founding members unanimously elected Prof. Avram Filipaş as rector, who remained in this position until his death in 2006.

Titu Maiorescu University acquired legal personality as a private, non-profit higher education institution and became a legal entity under private law and of public utility, part of the National Education System, through Law No. 239, of April 23, 2002, published in the Official Gazette No. 291 of April 30, 2002.

Titu Maiorescu University has 10 faculties: eight faculties in Bucharest - Law, Psychology, Medicine, Dentistry, Pharmacy, Social, Political and Human Sciences, Finance-Banking, Accounting and Business Administration, and Computer Science, and two in Târgu Jiu - Law and Economic Sciences and Medical Assistance.

Titu Maiorescu University offers all types of higher education: bachelor's, master's, and—within the faculties of Medicine, Dentistry, and Law—doctoral degrees. The study programs, carried out in the form of full-time education (IF) and distance learning (ID), are varied and constantly diversifying, chosen to best meet the demands of the labor market. Currently, the University offers 21 undergraduate programs, 25 master's programs, and 17 scientific fields of study at the three doctoral schools. The teaching staff are highly trained professionals, prominent figures in science and Romanian public life, members of prestigious professional associations in Romania and abroad, members of the Romanian Academy of Scientists, and members of the Romanian Academy.

Committed to the pursuit of excellence in the triangle of knowledge, education, research, and innovation, the University pays special attention to scientific research and innovation and emphasizes exploratory and frontier research through interdisciplinarity. The University has an Institute for Studies, Research, Development, and Innovation which, through its nine interdisciplinary scientific research centers, carries out intensive scientific activity.

The university is a member of the European University Association (EUA), the most important organization of higher education institutions in Europe, a member of the International Association of Universities (IAU), a member of the Francophone University Agency (AUF), and a member of the European Association of Erasmus Coordinators (EAEC). The direct international relations that Titu Maiorescu University has with universities in the EU, Canada, and the US, as well as its participation in the European inter-university exchange program Erasmus/Longlife Learning Program, to which Titu Maiorescu University is affiliated, are a guarantee of its recognition, including at the international level.

Titu Maiorescu University is the only private university in the country that has been invited to participate in the European "MATRA" program, which aims to develop a national strategy for quality assurance in higher education. In December 2016, following an institutional evaluation, the Romanian Agency for Quality Assurance in Higher Education awarded Titu Maiorescu University a high degree of trust—the highest rating that can be awarded to a university in Romania.

It is no coincidence that Titu Maiorescu University operates under the banner of a profession of faith: "*modern and successful*" and a motto that is deeply justified in the academic reality of Maiorescu: "*quality education, the secret to your success!*"



3. History of the establishment and accreditation of the Faculty of Medicine

A renowned higher education institution with exceptional results in its specific field of activity, the Faculty of Medicine of the "Titu Maiorescu" University in Bucharest, in accordance with a tradition that is not long but as rich as possible, has as its main mission the training of highly qualified personnel in the medical field and other interdisciplinary fields, constantly manifesting itself at the forefront of scientific research in Bucharest and throughout the country.

The Faculty of Medicine of the "Titu Maiorescu" University operates on the basis of modern educational principles, which generate competition and performance in the national and European academic space. The faculty is internationally accredited by FAIMER – Foundation for Advancement of International Medical Education and Research and WHO – World Health Organization. Since 2003, the Faculty has been listed in the Yearbook of Medical Schools, published in Philadelphia, USA, alongside other prestigious medical schools in Romania.

The Faculty of Medicine, which has been operating within the University since 1990, was accredited by Government Decision no. 944 published in the Official Gazette no. 675 of September 11, 2002, for the general medicine specialization, with a duration of 6 years, 360 transferable credits, and full-time education.

Initially, the Faculty of Medicine of Titu Maiorescu University had two distinct specializations: General Medicine and Dentistry.

Starting with the 1993-1994 academic year, the dentistry specialization became an independent faculty, acquiring the name Faculty of Dentistry. In 2005, the establishment and authorization of the second specialization within the Faculty of Medicine was approved, namely Nursing, in accordance with the provisions of Law 88/1993 and Government Decision No. 88 of February 10, 2005, through CNEAA letter No. 2207 dated November 3, 2005, a specialization regulated by the European Community for full-time education.

In 2009, the UTM Senate decided, for managerial reasons, to reorganize medical education within UTM by merging the Faculty of Medicine with the Faculty of Dentistry, under the name of the Faculty of Medicine and Dentistry, with four specializations: medicine, dentistry, general nursing, and dental

technology, which was approved by Government Decision 749, published in the Official Gazette no. 465 of July 6, 2009. Starting in 2011, the two medical faculties at were separated into two academic structures, the Faculty of Medicine and the Faculty of Dentistry, respectively.

In 2015, the Faculty of Medicine received the highest rating from ARACIS, the "trust" grade. Obtaining this accreditation is a remarkable achievement, but also a real test for the entire academic community of our faculty. The Faculty of Medicine has its own staff who, in terms of professional qualifications, meet the requirements for the positions they hold. In 2017, ARACIS approved the establishment of an English-language study program.

The management structure of the Faculty of Medicine over the past 27 years has been as follows:

Deans: Prof. Zaharia Corneliu, Prof. Ludovic Paun, Prof. Dan Ungureanu, Assoc. Prof. Minerva Ghinescu, Prof. Cristian Adrian Stan, Prof. Daniel Cochior, and currently Assoc. Prof. Elena Rusu.

Vice-Deans: Prof. Andrei Voinea, Prof. Andrei Firica, Prof. Dan Ungureanu, Prof. Florina Opreș, Prof. Petru Armean, Assoc. Prof. Adriana Bădulescu, Assoc. Prof. Mihai Tanasi, Lecturer Tudor Hârșovescu, Assoc. Prof. Minerva Ghinescu, Assoc. Prof. Gabriel Cristian. Subsequently, due to the increasing complexity of study programs and educational offerings, a management system with two vice-deans was adopted. Thus, chronologically, the following individuals served as vice-deans: Associate Professor Minerva Ghinescu and Associate Professor Elena Rusu (international relations), Professor Roxana Nemeș, and Lecturer Cosmin Moldovan (international relations).

4. Admission process to the Faculty of Medicine

Currently, admission to the Faculty of Medicine is carried out in two cycles of university studies, namely bachelor's and doctoral studies.

For the bachelor's degree program, the faculty's educational offer includes three distinct fields, namely:

- Medicine in Romanian, with 6 years of study, 12 semesters, 360 credits, for which 125 places are accredited;
- specialization in Medicine in English, a newly authorized program, with 6 years of study, 12 semesters, 360 credits, for which 45 places are available;
- General Nursing, with 4 years of study, 8 semesters, 240 credits, for which 65 places are accredited.

The doctoral cycle comprises 4 years of study, the first of which is dedicated to advanced studies, while the other 3 years are reserved for doctoral research itself. The Doctoral School of Medicine has 5 university professors qualified to supervise doctoral theses in fields such as surgery, orthopedics, and molecular biology.

Admission is based on study programs and forms of education, in descending order of the overall grades obtained by candidates in the admission competition, within the limits of the enrollment quota approved by ARACIS for the respective study program and form of education.

5. The educational process

In its 27 years of operation, the Faculty of Medicine of Titu Maiorescu University has trained over 1,800 students who have obtained their bachelor's degree. The graduates of our faculty took their bachelor's degree between 1998 and 2002 at the "Carol Davila" University of Medicine and Pharmacy in Bucharest. Since 2003, the bachelor's degree exam has been taken at the Faculty of Medicine of Titu Maiorescu University, and since 2008, the bachelor's degree exam in General Medical Assistance has also been taken at our faculty.

Over the years, a number of graduates (increasing in number each year) have been admitted to residency programs in Romania and abroad (the European Community and the United States of America), and most of the university assistants employed by the Faculty of Medicine are graduates of our faculty. The management of the Faculty of Medicine is constantly concerned with the practical training of students, and in this regard, a POSDRU project has been won for the specialized practice of students and the improvement of their integration into the labor market.

One of the performance indicators is the fact that most of the more than 1,800 graduates are employed in the domestic or foreign labor market, with legal employment contracts, in positions corresponding to the degrees they obtained upon graduation. The bachelor's degree exam at the Faculty of Medicine is organized in three sessions, in July, September, and February, in accordance with the Methodology for conducting the bachelor's degree exam and the legislation in force. Bachelor's degrees are issued by the "Titu Maiorescu" University, Faculty of Medicine.

We estimate that approximately 95% of graduates of the Medicine bachelor's program found employment within one year of graduating from the bachelor's program, with available statistics showing that between 60% and 70% of graduates from the last three years (2015-2017) have passed the residency exam both in Romania and in other EU countries. In addition, some graduates hold positions in public or private medical institutions or pursue other careers based on their bachelor's degree in Medicine (pharmaceutical companies, specialist work abroad, insurance, etc.).

The educational structure of our faculty is consistent with the principles of the Bologna Declaration, including the three compulsory cycles () provided for by the National Education Law, in bachelor's, master's, and postgraduate

specialization, master's, and doctoral studies, as well as , and lifelong learning programs, rewarded with transferable credits and covered by teaching staff with doctoral degrees.

The curricula and subject programs have been developed based on a modern concept, from an interdisciplinary

perspective, in line with international standards of higher education in general and medical education in particular,

with the aim of training future specialists with a solid professional background and general culture that puts them in an advantageous position in the competition for career success.



More than just a simple transfer of knowledge from teacher to student, learning environments and experiences are created that lead students to discover and create knowledge themselves.



In addition to teaching skills, the disciplines of study also include counseling and facilitation of learning processes. The Faculty of Medicine is constantly working to identify,

develop, and implement new effective learning techniques. The Medicine study program includes practical training internships, as well as student involvement in research and development projects. Traditional methods of simply transmitting information (via notice boards or in class) have proven to be insufficient over time, so in order to facilitate and streamline the teaching process, particular attention has been paid to informing students about the means of teaching, learning, and assessing knowledge.

Teaching and learning procedures have continuously focused on interactive education, dialogue with students, and the importance of the formative aspect of teaching (questions from the audience, short presentations, or demonstration experiments). This component, together with the informative one, stimulates creative learning and contributes to the continuous improvement of students' knowledge, qualities, and skills. Teachers offer consultations and personalize guidance at the student's request.



The Faculty of Medicine has and applies a tutoring regulation; there are tutors for each year of study who provide consultations according to a weekly schedule. Guidance is also provided through extracurricular activities, such as student science clubs organized by the two departments, which showcase students' particular skills and abilities and justify encouraging them in a certain field of activity or position. Teachers set up a weekly consultation schedule in person and by email, giving students the opportunity to find answers to various specialized questions related to the field of the supervising professor and beyond. Thus, teachers, knowing their students' skills and level of preparation, can personalize the teacher-student relationship by guiding students in choosing their future specialization and targeting a specific job.



The meeting with graduates and future candidates, which takes place during the "Open Doors" event, gives students the opportunity to engage in direct dialogue with graduates who have recently become practitioners in the medical field and provides

the most eloquent example of professional guidance through the success of our graduates, with peer mentoring between senior students and other students and between graduates and students.

In this context, based on the ongoing evaluation of education as a system and process, the Faculty of Medicine is concerned with adapting its teaching and research programs to the progress of science, technology, and culture, to the needs of Romanian society, as well as to their compatibility with the programs of other universities and academic and professional bodies in the country or abroad.

Currently, the first specialization in Medicine, accredited by Government Decision no. 944 published in the Official Gazette no. 67, is a full-time program with a duration of 6 years, 360 transferable credits, over 5800 hours of theoretical and practical training, and a final bachelor's degree exam.

The second accredited specialization in General Nursing operates in accordance with Government Decision No. 676/2007, in the form of a 4-year full-time program, with 240 transferable credits, at least 4600 hours of theoretical and practical training, and a final licensure exam.

The postgraduate courses organized by the Faculty of Medicine are conducted according to an annual plan, with the following thematic structure: postgraduate course in functional medicine in collaboration with Italian specialists, postgraduate course in laparoscopic surgery, postgraduate course in home care nursing, postgraduate course in newborn resuscitation, postgraduate course on the treatment of neonatal asphyxia, postgraduate course in medical malpractice, postgraduate course in integrative medicine, international postgraduate course in oxygen-ozone therapy, postgraduate course on "prevention and civil society response to bioterrorist attacks."

6. Facilities and resources of the Faculty of Medicine

The university has state-of-the-art teaching facilities—the Aula Magna, lecture halls, seminar rooms, reading rooms, and amphitheaters, as well as specialized laboratories equipped with the latest technology: medical equipment, computer network, Wi-Fi, videoconferencing equipment, smart boards, etc. The university has dormitories, a canteen/restaurant, a student club, medical centers, and a copy center.

The faculty has state-of-the-art teaching facilities – lecture halls, classrooms, seminar rooms, and reading rooms equipped with smart boards, a library, a



publishing house, a bookstore, specialized laboratories with the latest equipment, medical equipment, a computer network, videoconferencing equipment, etc. Concerned with the comfort of students and teaching staff, the university offers them, in a pleasant, elegant and refined environment, a student club where they can spend their free time and which also hosts scientific debates and conferences on topics related to student life, a sports hall, a canteen-restaurant, and two dormitories-hotels. There are two medical centers on campus (general medicine and dentistry) that serve the needs of both the university community and the local community.



The Psychological Counseling and Career Guidance Center (CCPOC) offers counseling to both undergraduate and graduate

students, with the mission of increasing their employability. The career counselors at the Center support students in the process of self-discovery, identifying their strengths and areas for improvement, and help them plan their careers after graduation. CCPOC organizes programs that develop and practice the skills and competencies that young people need to integrate into the labor

market: preparing a portfolio for employment, mock interviews, presentation and time management skills, qualification strategies: career information and guidance counselor, project manager, trainer, human resources inspector, human resources manager. To facilitate a direct link with potential employers, job fairs, company presentations, and discussions with professionals from various fields of activity are organized annually at the University to ensure that students are kept up to date.

Preclinical disciplines are taught in the IOR building, where the following disciplines are offered:

- The anatomy laboratory, located on the ground floor of the IOR building, is a modern, custom-designed laboratory.
- The physiology and pathophysiology laboratory is equipped with modern equipment and materials necessary for study.
- The histology, cell biology, and genetics laboratories are fully equipped with state-of-the-art equipment necessary for a quality educational process.
- The biochemistry laboratory, also located on the second floor, has been completely renovated and benefits from modern equipment.



Currently, collaboration with hospitals has been extended to both public and private hospitals, based on collaboration agreements: Monza Hospital,



Regina Maria Private Network, CF No. 1 Witting Clinical Hospital, CF No. 2 Bucharest Clinical Hospital, Dr. Carol Davila Central Military Emergency University Hospital, Ilfov County Clinical Hospital, Prof. Dr. Al. Obregia Clinical Psychiatric Hospital, Efigia Clinic, Dr. Victor Babeş Clinical Hospital, Nicolae Malaxa Clinical Hospital.



The partnership agreement with the Regina Maria Private Health Network materialized with the opening of the Titu Maiorescu Diagnosis and Treatment Center, located on the ground floor of Building M of our university. This laid the

foundations for medical collaboration between teaching staff, who will provide consultations in the centre's offices, and the provision of free medical services to teaching staff and students at our university. In this context, we would also like to mention the facility offered to all UTM students from IF, whereby free medical assistance is provided in this medical network on the basis of a card.



The best medical students are awarded excellence scholarships and merit scholarships, with the scholarship award system having transparent, non-

discriminatory criteria, mechanisms, and procedures that are carefully monitored. Titu Maiorescu University offers social, cultural, and sports services for students, such as accommodation, sports facilities, and various counseling



services, which are efficiently administered. UTM also offers a variety of services to students and has special programs to ensure a high-quality student life, which are monitored and evaluated periodically by

Furthermore, starting with the 2018-2019 academic year, the Faculty of Medicine has begun the design and construction of a new building adjacent to the existing space in the IOR building. This new space, built to the latest and highest architectural standards, will be put into use during the 2020-2021 academic year and will have 5 lecture halls, 20 laboratories for fundamental preclinical disciplines, as well as seminar rooms and a canteen-restaurant for both students and teaching staff. These laboratories will increase both the teaching capacity of the Faculty and expand its scientific research capabilities, as they will be able to carry out research activities for projects already underway or newly contracted.

The new clinical hospital of Titu Maiorescu University, which will be located in the IOR Complex building, is also currently being fitted out and partitioned. In this modern space, equipped to international standards, numerous medical and surgical disciplines will carry out their clinical activities.



7. International relations

Within the Erasmus and Socrates programs, the Faculty of Medicine of Titu Maiorescu University has entered into collaboration agreements with the Faculty of Medicine in Lyon, then the Faculty of Medicine in Paris, the University of A Coruna, Sapienza University in Rome, and the Faculty of Medicine in Innsbruck, with plans to begin collaboration with other prestigious universities in Europe in the future. This program provides for mobility for both students and teaching staff for various periods of one or two semesters.

In this regard, with a view to internationalising medical education at our university, the management of the Faculty of Medicine has ensured over the years the achievement of the following main objectives, necessary for effective international collaboration:

- ensuring the institutional management of the Longlife Learning Programme and coordinating all international activities,
- student and faculty mobility,
- organizing and monitoring educational programs and relations with medical education institutions in the European Community (such as the programs with Innsbruck, Paris, Vienna, Sapienza, AKH Vienna, Tel Aviv, A Coruna, and Bergamo),
- collaboration with the National Agency for Combarelles Programs in the field of Education and Vocational Training (ANPCDEFP).



In addition to the funds needed to develop its activities, the Faculty of Medicine also uses funds from external sources (through community programs – ERASMUS), which are used, on the one hand, to expand international relations with universities in the European Union, and, through the mobility of teaching staff and students, the qualitative improvement of the teaching and research process.

The Faculty of Medicine has study partnerships in the Erasmus+ program with prestigious medical higher education institutions, such as:

- France: through Paris VII University;
- Germany: through MediClin and Technische Universität Dresden and Magdeburg University;
- Italy: through Policlinico di Monza, Università Degli Studi di Milano Bicocca, Perugia University, Aldo Moro Universitat in Bari, and Sapienza Università di Roma. Starting with the 2020-2021 academic year, we will also have an agreement with Università di Bologna;
- Bulgaria: through Plovdiv Medical University and Pleven Medical University;
- Turkey: through Celal Bayar University, Suleyman Demirel University, Kirsekkale University, Cumhuriyet University, Mustafa Kemal University, and Medipol University;
- Spain: through Universidad Católica San Antonio de Murcia;
- Portugal: Coimbra University;
- Macedonia: Goce Delchev University.

In the 2017–2018 academic year, the Faculty of Medicine opened a new ERASMUS+ partnership with Bar-Ilan University in Israel.

8. Scientific research and academic visibility of the Faculty of Medicine

Students from both specializations of the Faculty of Medicine are involved in student scientific circles for clinical and preclinical disciplines, focusing on topics related to the faculty's profile. The Faculty of Medicine develops its own research plans, which are of interest to both teaching staff and students. The results of the scientific research carried out by teaching staff are disseminated through participation in national and international congresses, symposiums, and conferences, and through the publication of articles in specialist journals, monographs, and treatises.

The research projects were initially funded from the resources of the coordinated disciplines, with the intention of attracting external funding sources (research centers, grants, international collaborations) for the proposed topics, similar to those of the other faculties of the university.

Scientific research activity in the Faculty of Medicine is coordinated by a Scientific Research Council and carried out through Scientific Research Centers

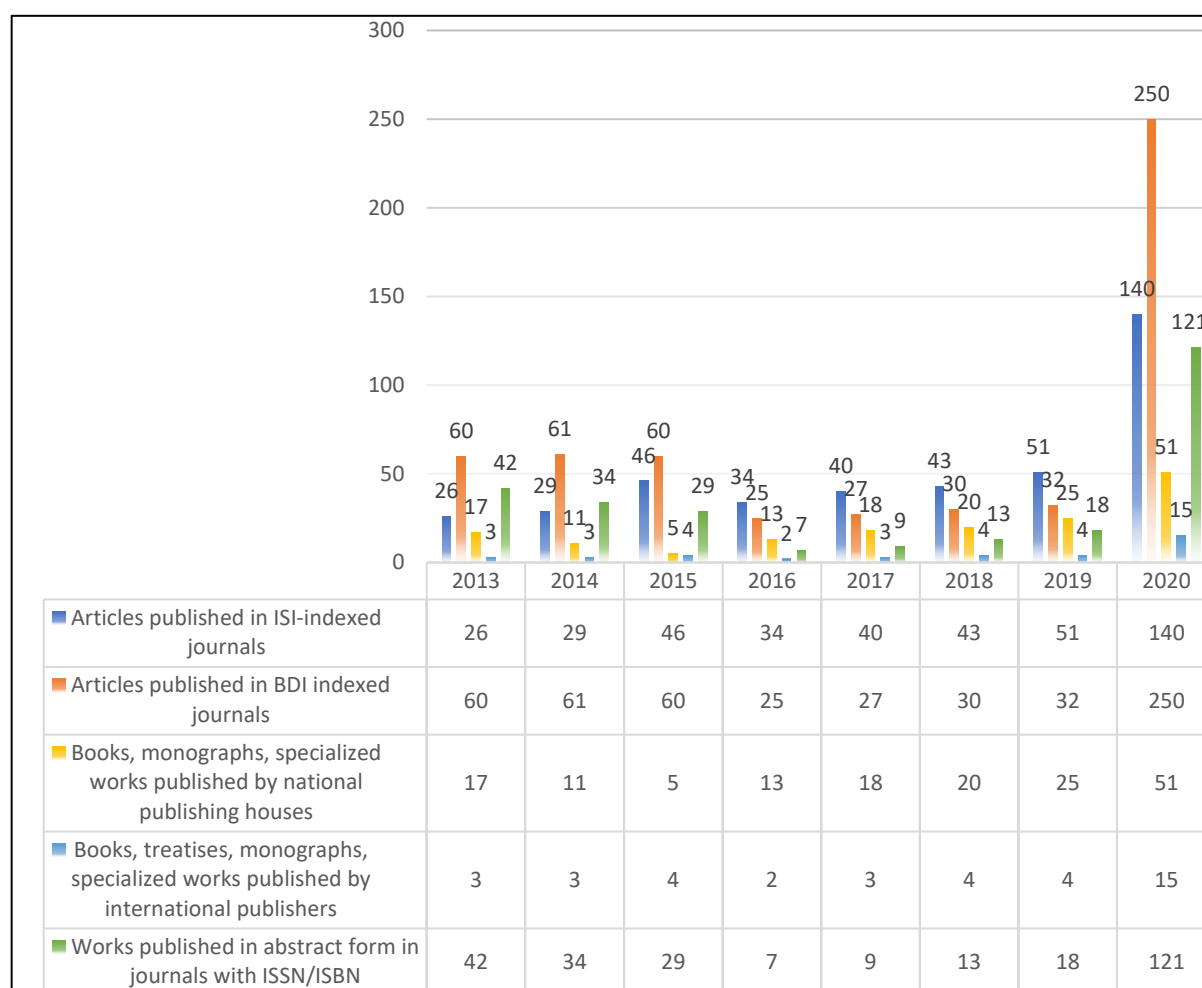
under the executive leadership of the "Academician Nicolae Cajal" Institute of Medical Scientific Research at



Titu Maiorescu University. It is a fundamental and applied medical research institute whose main objective is translational research, with the following research areas:

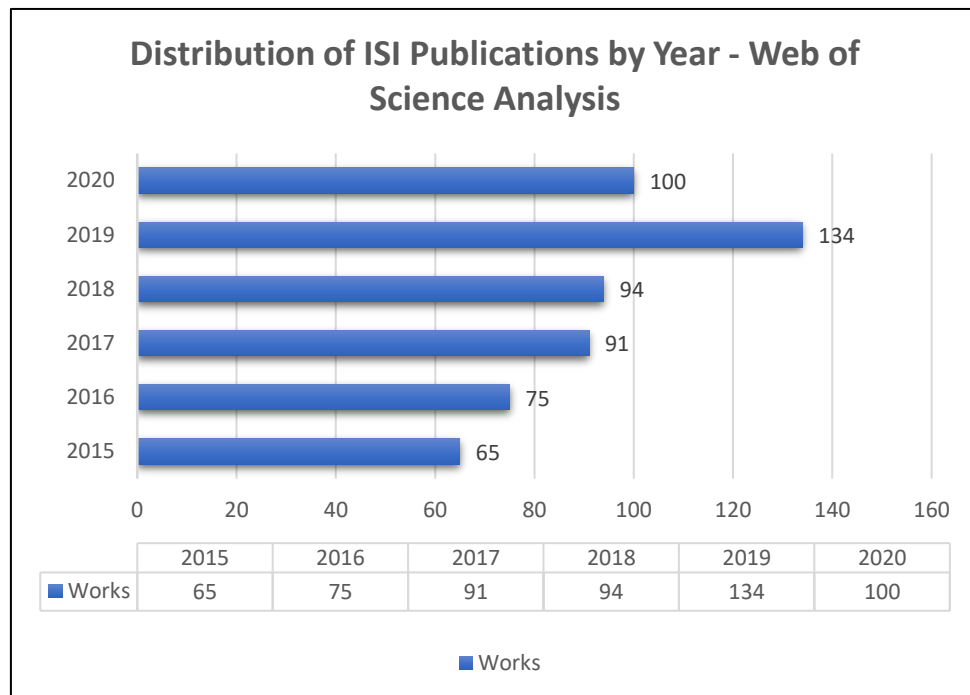
- Deciphering the cellular and molecular mechanisms underlying diseases that impact human society (cancer, diabetes, etc.)
- Identifying and evaluating possible therapeutic targets and treatments using advanced technologies such as genomics and proteomics, in connection with modern omics derivatives such as interactomics, oncoproteomics, and onco-genomics.

The institute's functionality is based on an infrastructure described in detail on the ERIS platform (<http://erris.gov.ro/Medical-Research-Institute-N>), which supports technologies such as gene microarray, xMAP multiplex array, RT-PCR, dot-blot, Western blot, cell cultures, trans-differentiation, in vitro and in vivo experimental models, biobank). The infrastructure and expertise of the team at the Academician Nicolae Cajal Institute for Medical Research provide support to the teaching staff at Titu Maiorescu University for bidding on and carrying out projects in future competitions.

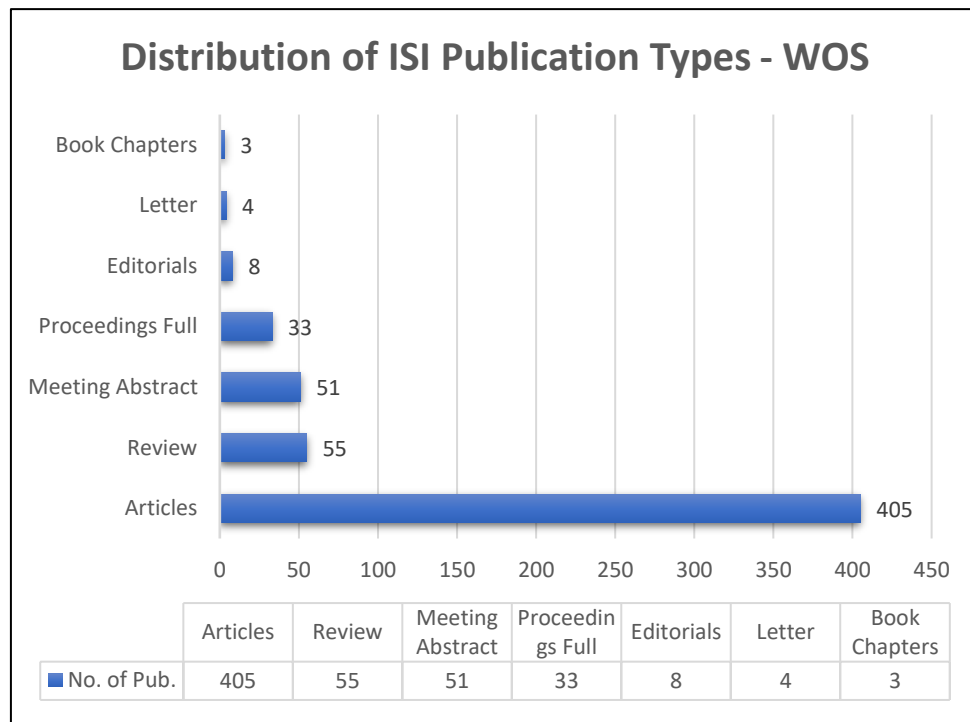


The research activity has resulted in a sustained increase in scientific publications, both those indexed by ISI and those published in journals indexed by other prestigious BDIs. The increase has been sustained since 2013, demonstrating the consistent and constant involvement of all teaching staff within the faculty, regardless of their teaching discipline.

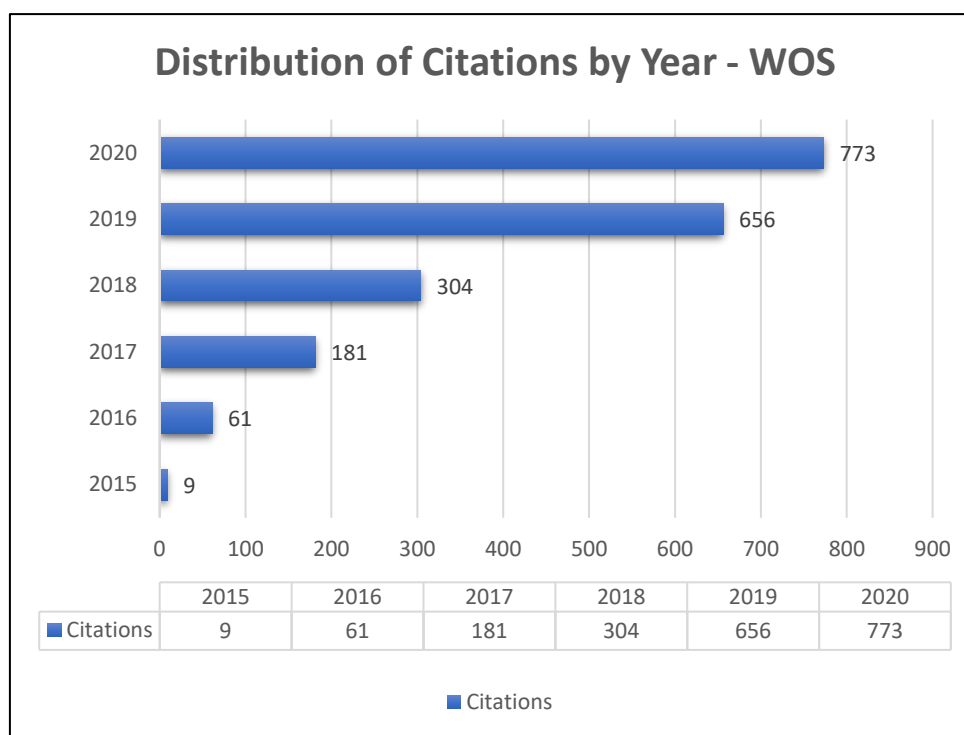
ISI-indexed publications, the most prestigious way to promote and increase the academic visibility of the Faculty, have also seen steady and sustained growth over the years, from 2015 to the present.



Of all types of scientific publications, articles had the highest share, followed by review articles, meeting abstracts, proceedings articles, editorials, and book chapters published in ISI-indexed collective volumes.



All this publishing effort has resulted in increased visibility for the teaching staff of the Faculty of Medicine in the national and, above all, international academic environment, as demonstrated by the increase in the number of citations by other specialists from various fields.



Scientific research carried out by students in the Medicine specializations takes place mainly within the scientific circles organized by the faculty departments and results in the organization of student scientific events, as well as papers authored by students together with coordinating teaching staff. The best papers are awarded prizes according to the university's own methodology.

The research projects carried out by the Centers are diverse: the development of studies and applied research on oncological genomics, modern technologies for the manufacture of prosthetic materials and the evaluation of their resistance to biomechanical stress, medical responsibility and malpractice, clinical management, craniocerebral trauma and polytrauma, medical ethics and applied bioethics, telemedicine, modern diagnosis and treatment in cardiology, liver transplantation, laparoscopic and bariatric surgery, child neuropsychiatry, diabetology, advanced neonatology and preterm therapy, disaster medicine, proteomics and geonomics, etc.

Starting in November 2007, Titu Maiorescu University in Bucharest organized the first international conference entitled "Education and creativity for a knowledge-based society," which brought together a wide- and the participation of a significant number of teachers from other faculties or

universities in the country and abroad. The conference was also divided into sections, including Medicine, reaching its twelfth edition in 2018. This conference also benefits from a volume of papers published *in extenso*, by section, indexed in a prestigious international database (BDI), namely SSRN, adding visibility to the papers by making them available to scientific search engines.

The Faculty of Medicine has partnerships with prestigious journals such as Revista Conexiuni Medicale, Revista Română de Stomatologie, Revista Română de Criminalistică, Revista Medicina Modernă, and Revista ORL.RO, published by the Bucharest College of Physicians, which have a B+ classification, are indexed by BDI, and have teaching staff from the Faculty of Medicine of UTM on their Scientific Councils. Also, since 2016, the Journal of Mind and Medical Sciences (JMMS), published by UMF Carol Davila in partnership with Valparaíso University, USA, indexed by Web of Science Core Collection, has teaching staff from the Faculty of Medicine on its editorial board.

