

Daniel Cochior, MD, PhD, Habil. – A Professional Descriptive Profile

My name is **Daniel Cochior**, and I currently serve as the **Rector of Titu Maiorescu University of Bucharest, Romania**, a position I have held since 2020 and for which I have been re-elected for the 2024–2029 term by the academic community of our university. Over the course of my 30-year career, I have dedicated myself to advancing medicine and academia through my work as a senior general surgeon, academic leader, researcher, and innovator. In addition to my responsibilities as Rector, I am a full University Professor at the Faculty of Medicine, department of Medical-Surgical and Prophylactic Disciplines, Discipline of Surgical Semiology and I also activate as a Habilitated PhD Coordinator, mentoring Ph D doctoral students in our doctoral school.

Alongside my academic roles, I remain constantly active in clinical surgical practice as a Senior Surgeon at Monza Clinical Hospital in Bucharest, major private healthcare provider in Romania. My work as a surgeon and my passion for innovation and healthcare management drive me to continuously improve patient care and advance medical education. My personal surgical experience emphasizes laparoscopic minimally invasive surgery and pancreatic pathology.

Academic and Leadership Excellence

As Rector, I have continuously worked to elevate Titu Maiorescu University's global reputation by fostering interdisciplinary research, expanding doctoral programs, and creating opportunities for academic and clinical collaboration. I am particularly proud of the progress we've made in integrating cutting-edge research into education and healthcare practice.

Throughout my career, I have served in various leadership roles, including directing research and integration initiatives at leading hospitals. These positions have allowed me to bridge the gap between academia and clinical practice, ensuring that research translates into meaningful advancements in patient care.

Research Contributions and Innovations

Research and innovation are at the core of my professional journey. I have authored over **10 books** and more than **100 scientific articles as original research**, with more than **30** indexed in **Clarivate Web of Science** indexing service, **33** research papers indexed in **PubMed**, **34** papers published in collective congress volumes and **26 oral presentations** in different national or international scientific events. I have had the privilege of leading or collaborating on **20** major nationwide and international research projects, many of which focus on artificial intelligence in healthcare, surgical innovation, and early diagnostic systems. My passion for innovation also drove me to register **5 different research patents**, all with major impact in health care and in surgical field. Among those, one of my most notable achievements is the development of the "Digital Videocapillaroscope" a patented device recognized internationally, designed as an early diagnostic tool for diagnosing sepsis and septic shock.

My work in laparoscopic surgery in general has also led to significant advancements in minimally invasive surgical techniques. These efforts have been acknowledged with 14

international awards and diplomas, including Gold Medals in international conventions, such as the Geneva International Invention, IDEA Expo, E-NNOVATE and BAP-INVENT exhibitions, starting as early as 2003 and all the way through 2024. These accolades are a testament to my commitment to innovation and the betterment of healthcare systems.

Education and Certifications

I hold a **Doctor of Medicine (PhD) degree** from Carol Davila University of Medicine and Pharmacy, where my thesis on laparostomy techniques for severe pancreatitis earned a *Cum Laudae* distinction. I have also completed advanced surgical training at IRCAD-EITS in France, focusing on laparoscopic and thoracoscopic surgery. In addition, I earned a certificate in hospital management from the National School of Public Health and Sanitary Management in Bucharest, enhancing my expertise in healthcare leadership.

Key Achievements

Throughout my career, I have been fortunate to achieve several milestones, in the following areas. ***Innovative Surgical Techniques:*** I have developed and patented procedures that improve outcomes in laparoscopic surgery and diagnostic methods for critical illnesses such as septic shock. ***Leadership in Research:*** I have contributed to pioneering healthcare projects, collaborating with international institutions such as the University of Washington on impactful studies. ***Recognition in Science and Innovation:*** My work has been honored with numerous awards at scientific fairs, highlighting the impact of my contributions to medicine and research.

Professional Memberships and Collaborations

I am an active member of several professional organizations, including the Romanian Society of Surgery and the French Society of Digestive Surgery, and, with my position within those societies, I am committed to advancing medical education and supporting healthcare initiatives. I have collaborated with esteemed institutions and research teams worldwide, working on high-impact studies and projects in surgery, artificial intelligence, and healthcare management. These collaborations have allowed me to contribute meaningfully to advancements in medical science.

Skills and Expertise

My skills and expertise lie in surgical innovation, academic leadership, and healthcare management. I am fluent in English, French, and Italian, which has allowed me to engage in international collaborations and share my work globally. Whether in the operating room, the classroom, or a leadership role, I am driven by a commitment to improving lives through medicine and education.