

**“CAROL DAVILA” UNIVERSITY OF MEDICINE AND PHARMACY BUCHAREST  
DOCTORAL SCHOOL  
DENTAL MEDICINE DOMAIN**

**MULTIDISCIPLINARY APPLIED RESEARCH IN ORAL PATHOLOGY**

**SYNOPSIS OF THE HABILITATION THESIS**

**Candidate:**  
**COCULESCU Elena-Claudia,**  
**Lecturer, DDS, Ph.D.**  
**“Carol Davila” University of Medicine and Pharmacy Bucharest**

**2023**

## SYNOPSIS

In the present habilitation thesis, in which I am applying for the title of doctoral thesis advisor in the medical field, I present some of the results obtained from my scientific, teaching, and professional activities carried out during the post-doctoral period.

The title of this habilitation thesis is “Multidisciplinary Applied Research in Oral Pathology”. I chose this title because exploring the interactions between oral diseases and other medical fields, the multidisciplinary approach to diagnostic, treatment, and monitoring issues, and collaborations with other medical disciplines to develop innovative diagnostic and treatment strategies, all these research directions have contributed to broadening the horizon of my investigations, enriching medical knowledge and contributing to the development of advanced diagnostic and treatment methods.

The structure of the Habilitation thesis follows the criteria recommended and approved by the National Council for the Accreditation of University Degrees, Diplomas, and Certificates (CNATDCU) and comprises four chapters.

**In the first chapter**, the achievements in scientific research are presented, focusing on the disciplinary and interdisciplinary research carried out as a professor after obtaining the Ph.D. degree in 2016.

This section synthesizes significant excerpts from published work, providing a concise presentation of the general context of the research, the aims and objectives set, the research methodology used, and the results obtained, followed by a mention of personal contributions at the end.

This research is divided into two main research directions:

a) Research in Burning Mouth Syndrome (BMS). This initial research direction focuses on the investigation of non-specific mouth sores, with an emphasis on identifying the causes of BMS. Studies in this area have involved research methods such as aetiopathogenetic analyses, identification of the neuropathic origin of oral pain, classification of oromaxillofacial algias, the assessment of causative factors, and specific clinical symptoms. This research has also extended to the relationship between BMS and the treatment of thyroid disorders, as well as specific medico-legal and ethical aspects related to BMS."

The results obtained in this line of research have been published in prestigious journals and have contributed to developing a deeper and more complex perspective on this condition.

b) Interdisciplinarity in Oral Pathology. As the field of Oral Pathology is a borderline area between dental medicine and other medical specialties (infectious diseases, ENT, dermatology, neurology, etc.), we have adopted a multidisciplinary approach with a consistent focus on the clinical and paraclinical investigation of various oral or systemic diseases with manifestations in the oral cavity, as well as to study various oral diseases and their connections with general health.

**In the second chapter,** I present my academic career, my essential teaching responsibilities, the guidance of students in the preparation of undergraduate papers and participation in scientific communication sessions, as well as my involvement in the process of examining candidates for admission and my participation in the committees of undergraduate examinations.

At present, I hold the university teaching rank of lecturer, in the discipline of Oral Pathology, Department III of the Faculty of Dentistry of the “Carol Davila” University of Medicine and Pharmacy Bucharest. I should mention that I obtained my university teaching degree by competitive examination at the “Carol Davila” University of Medicine and Pharmacy Bucharest. Thus, from 1 March 2017 to 30 September 2020 I held the position of university assistant; subsequently, I was promoted to the level of lecturer, starting on 1 October 2020 and continuing at present.

During my Ph.D. internship, I worked as a paid hourly teaching assistant in the same discipline.

**The third chapter** focuses on my professional career, covering both my professional medical career and my professional legal career.

Graduate of the Faculty of Dentistry of the “Carol Davila” University of Medicine and Pharmacy in Bucharest, class of 1997, I went through all stages of training, from trainee doctor to the degree of primary doctor in the specialty of General Dentistry, obtained in 2009, by the Order of the Ministry of Health No 1200/2009.

Professional experience includes working as a dentist in various private and public practices and medical institutions.

The part of my career dedicated to the legislative field and to working as a parliamentary civil servant began after I acquired the title of medical specialist. This has been achieved by

going through all the professional steps in the parliamentary legislative field: external collaborator, parliamentary expert, adviser, and last step, coordinating adviser.

Following my appointment as a parliamentary public servant, I continued to carry out my medical activity in various private medical practices in Bucharest.

**In the last chapter** of the habilitation thesis, titled Plans for the Evolution and Development of my academic career, my future goals for the development of my academic career are outlined, focusing on two main aspects: teaching and scientific research.

The objectives of these areas of activity are interlinked and complement each other, on the one hand, the teaching activity carried out in the Oral Pathology Department of the Faculty of Dentistry, and on the other hand the scientific research activity, thus contributing to the quality of education and research in the field of Oral Pathology.

As for scientific research, I will continue to be involved in interdisciplinary research projects in the field of Oral Pathology, in the publication of specialized articles in prestigious journals, the publication of specialized works, and active participation in national and international scientific conferences and events. As a university lecturer, I will focus on updating teaching materials with the latest scientific findings and promoting interactive teaching.

In the end, the bibliographical references used to describe my scientific activity in this habilitation thesis are noted, so that they meet the standards in the academic field.