



**UNIVERSITATEA DE MEDICINĂ ȘI FARMACIE  
"CAROL DAVILA" BUCUREȘTI  
ȘCOALA DOCTORALĂ  
FACULTATEA DE MEDICINĂ**

**EVOLUTION OF INFECTIOUS DISEASES:  
CLASSICAL AND EMERGING DISEASES**

**ABSTRACT**

**CANDIDATE:**  
**Simin Aysel FLORESCU - Associate Professor**  
**University of Medicine and Pharmacy "Carol Davila" Bucharest**

**2022**

The habilitation thesis entitled "**EVOLUTION OF INFECTIOUS DISEASES: CLASSICAL AND EMERGING DISEASES**" presents my scientific, academic and professional achievements in the last 25 years, after obtaining my PhD in medical sciences, as well as my future plans related to the evolution and development of my teaching and academic career.

The thesis is structured in four chapters according to the Guide for drawing up and writing the habilitation theses from University of Medicine and Pharmacy "Carol Davila" Bucharest and it presents my achievements in knowledge and prevention of infectious and tropical diseases after obtaining my PhD.

**First chapter** presents my professional activity and describes all the stages of personal training, courses completed and my entire expertise in professional field.

I also briefly described my professional background before obtaining the title - Doctor of Medicine, in order to highlight my professional evolution from graduating the Faculty of General Medicine of University of Medicine and Pharmacy "Carol Davila" Bucharest until now.

My medical career began with the graduation of the faculty, in 1993, as a trainee doctor at CARITAS Hospital, and then in 1994 as a resident doctor of infectious diseases at the Clinical Hospital for Infectious and Tropical Diseases "Dr. Victor Babeş" Bucharest.

I followed all the professional stages until the one of primary doctor in infectious diseases acquired in 2004.

Also, I described my expertise acquired as a primary care physician in Infectious Diseases at Clinical Hospital for Infectious and Tropical Diseases "Dr. Victor Babeş" Bucharest as well as my teaching activity at Infectious Diseases Discipline II - Sp. Cl. Dr. Victor Babeş.

In parallel with my professional activity, I had the opportunity to participate in the administrative medical activity of the hospital by assuming the responsibility of the head of Clinical Department B3 in 2004, and then the head of Clinical Department 6 in 2011, followed shortly (from the same year) by the position of medical director. Since 2021 I hold the position of interim manager.

**Chapter 2** is dedicated to my scientific activity and presents in detail my scientific achievements: publishing activity (publishing books, book chapters, articles and scientific abstracts).

This chapter contains the nominal list of scientific achievements organized by: chapters published in treatises in national publishing houses - unique author, monograph/other books in national publishing houses - unique or first author, monograph/other books in national publishing houses - co-author, articles published in ISI Thomson Reuters journals, articles published in journals

indexed in international BDI and CNCIS accredited databases (B+), abstracts published in ISI Thompson Reuters journals, abstracts published in volumes with ISSN / ISBN.

Following this activity, I have published several important papers in the academic environment (pre- and postgraduate academic environment). I selected some papers I considered important:

1. *INFECTIOUS DISEASES 2021*, under the scientific coordination of prof.dr. Emanoil Ceaușu, *Central nervous system infections - from suspicion to diagnosis*.

This is the first infectious disease textbook published in Romania, a real support for infectious disease specialists, and also the reference bibliography for the professional examinations.

2. *POCKET GUIDE FOR ANTIVIRAL FLU TREATMENT AND PREVENTION*.

This guide represents a quick reference for the physicians and the family physicians as respects the treatment of seasonal flu.

3. *INFECTIOUS DISEASES. Course for students and resident doctors, vol. I and II. (Chapter 5 Antiparasitic therapy, Chapter 9 Sepsis, Chapter 10 Acute laryngitis, Chapter 11 Acute bronchitis (Exacerbations of chronic bronchitis and chronic obstructive pulmonary disease) Chapter 27 Acute infectious encephalitis)*.

These two volumes represents teaching materials for the students of Faculty of General Medicine, in the sixth year, as well as for the resident doctors of infectious diseases and it is also included in the bibliography of the specialized exams and contain detailed etiopathogenic, therapeutic and diagnostic data on infectious diseases.

4. *NEWS IN INTERNAL MEDICINE, vol. III* - edited by Leonida Gherasim and Alexandru Oproiu, Chapter 20 *Sepsis - a constantly changing concept*.

5. *NEWS IN INTERNAL MEDICINE* - edited by Leonida Gherasim and Oproiu Alexandru, Chapter 21: *Clostridium difficile infection*

These two volumes contain the latest medical data on two diseases with a major impact on current pathology and these are useful both for infectious disease specialists and internal medicine specialists.

*6. EVOLUTIONAL IMPLICATIONS AND PROGNOSTIC OF CYTOKINES IN ACUTE VIRAL HEPATITIS.*

This paper details the results of my doctoral thesis and add also new data.

Also, there are mentioned my main achievements that led to the recognition of my professional activity: the participation in national and international projects (clinical trials - principal investigator /co-investigator), member of the scientific society and specialized commissions, member of editorial teams, invitations as a speaker (guest presentations / speaker) etc.

**Chapter 3** describes my academic achievements after obtaining the PhD title as well as my didactic responsibilities.

My academic career describes my evolution, from junior asisstant (1995) to Associate Professor (2017) and Head of Infectious Diseases Discipline II (2019); the last position brought the opportunity to involve the resident doctors and PhD students in research projects, but also the involvement of medical staff in the promotion and development of the didactic and research activity of the Discipline.

The results of the studies obtained from the research projects have been published together with the resident doctors and doctoral students in journals indexed in national/international databases or presented at national and international congresses and conferences.

**Chapter 4** presents the strategy, directions and priorities for the evolution and development of my professional, scientific and academic career. In this habilitation thesis, I describe the ways to implement my plans .

My perspective on academic and scientific development is focused on the study of emerging and re-emerging infectious diseases, as well as the immediate, medium- and long-term consequences of SARS CoV-2 infection. The medical data related on SARS CoV-2 infection is extensive and it is due to the involvement of our hospital, in the first line, during the COVID Pandemic, with the largest number of discharged patients in a COVID hospital and serves as a basis for many clinical trials and scientific articles to be published in nationa/international medical journals.

**The last chapter (Bibliography)** contains titles of works that I have worked on and that can support the veracity of the data that I have presented in this habilitation thesis.