

## ABSTRACT

### **Research upon indirect restorative rehabilitation procedures used in current dentistry**

From 1995, the year I was hired at UMF Iuliu Hațieganu Cluj-Napoca, I passed through all the teaching degrees from preparator (1995-1998), assistant professor (1998-2004), head of works (2004-2008) and then associate professor (2008 – present).

I started my PHD research in 2000 in the department of Odontology, my PHD thesis being entitled "Oral aspects in immunodeficient patients in various treatments." I ended my PHD in 2003, PHD's degree series C no. 0005237. The title of doctor in medical sciences was confirmed to me by the Order of the Ministry of Education, Research and Innovation no. 649 din 15.09.2003.

From a professional point of view, my path was as follows: between 2004-2008 I held the position of head of works at the Department of Dental Propaedeutics and Dental Materials, Faculty of Dentistry and then, between 2008-2010 at the Department of Technology Dental Prostheses from the Faculty of Health Sciences of UMF Cluj-Napoca. Later I returned to the Department of Dental Propaedeutics and Aesthetics, after the dissolution of the Faculty of Health Sciences. Since 2009, I have been holding the position of associate professor at this department. Between 2008-2020 I was a lecturer at: the *English section* (2008-2010) taking the 1st and 2nd semester course: Technology of Fixed and Removable Reconstructions, at the *Romanian section* (2008-2020), also taking the course Technology of Fixed and Removable Reconstructions I and II (sem. 1 and 2). At *Dental Technique*, I have been teaching the Fixed Reconstructions Technology (sem. 1, 2008-2020), Dental Ceramics Technology (sem. 1 – 2016-2020) I was also teaching until this year: Fixed Partial Dentures Technology (sem 2 2008-2020). I also presented courses to the postgraduate students enrolled in the Prosthetic specialty. Within these bachelor's programs, I permanently carried out practical activities with the second year students of Dentistry and the students of the second and third year Dental Technique.

During all these years, I have been working in the private offices of Vivadent Cluj-Napoca and Borzea Dorin Dental Complex, Cluj-Napoca.



The results of this period of 13 years in integrated education – education – research and healthcare activity are contained and published in several published articles, specialized books, course materials and practical works.

Since the last promotion, I have published a total of 21 ISI articles and 11 BDI articles. Of the ISI articles, 17 were as main author, 4 as co-author. Of the ISI articles, 7 are with FI <1 and 9 with FI > 1. I am the main author of 10 articles published in BDI journals and co-author of 1 article published in BDI journals. The articles are listed in the thesis. I wrote 3 chapters in 2 published books and I am also a co-author in one published book.

The research activity was structured on research topics from different fields of interest:

- CAD CAM TECHNIQUE FOR FIXED AND REMOVABLE RECONSTRUCTIONS
- EVALUATION OF THE MARGINAL FIT OF FIXED RECONSTRUCTIONS
- ASSESSMENT OF THE USE OF CAD/ CAM TECHNOLOGY AMONG ROMANIAN DENTAL TECHNICIANS
- VIRTUAL CASTS AND THEIR APPLICABILITY IN DENTAL MEDICINE
- THE USE OF DIGITAL TECHNOLOGIES IN FIXED PROSTHETIC RECONSTRUCTIONS
- INNOVATIVE MANUFACTURING METHODS FOR FIXED AND REMOVABLE RECONSTRUCTIONS
- PREVENTION METHODS FOR TRAUMATIC DENTAL LESIONS

My involvement in academic activities correlates with my quality as a board member of Department IV, consisting of the disciplines of Dental Prosthetics, Dental Propaedeutics, and Dental Materials. I am involved in the management of the department. I was and will be involved in the admission exam at the University of Medicine and Pharmacy "Iuliu Hațieganu" as well as the Admission Simulation exam, in the Bachelor of Dental Techniques and in various external commissions. Regarding my professional, scientific and academic development, my desire is that it harmoniously combines research, academic, clinical and scientific activity with fascinating and dynamic topics, such as: modern technologies in prosthetic reconstructions, research of new dental materials with applicability in the rehabilitation of dental arches, the characterization of some restorative materials and the



study of the connections between their properties and the manufacturing technologies, in order to increase the longevity on the arches of the prosthetic restorations.

I will also try to constantly contribute to ensuring the visibility of our faculty and university, both in national and international environments. I aim to increase the quality of the teaching process, so that today's student becomes the doctor or technician of tomorrow who contributes to improving the quality of life of patients in our country

A handwritten signature in blue ink, appearing to be 'Jaw' or similar, written in a cursive style.