

# E.M.D.O.L.A.

2020-2022

**European Master Degree in Oral Laser Applications**

University of Medicine and Pharmacy "Victor Babes"

Dental Faculty

*University of Liege, Belgium*



*University of Barcelona, Spain*



*University of Parma, Italy*



*"La Sapienza", University of Rome, Italy*



*University of Medicine and Pharmacy „Victor Babes” ,  
Timișoara, Romania*



*Medical University of Wroclaw, Poland*



### The goal

The master main goal is to realize a platform that aims coalition of components, optics, laser physics as well as its properties with applications in different areas of dentistry. Moreover, practical and theoretic parts of the course will emphasis on the advantages, disadvantages and limits of different therapeutics methods performed conventional or with the aid of laser.

### Master's description

The EMDOLA master's program was born through the scientific and didactic collaboration of several university centers in the European Union. This project has been operational for more than 4 years in Liege, Barcelona, Parma, Rome, Timisoara and this year joining Wroclaw. These universities offer a joint curriculum consisting of 10 modules over 2 years. The course is conducted in English and Romanian (with simultaneous English-Romanian translation for situations where it is needed). Both romanian and dentists from another country have the opportunity to obtain an important university degree at the international level.

The program involves 1,500 hours in total (750 hours / year).

Of the total of 1500 hours, some are dedicated to theoretical courses, and the rest will be divided into the following activities:

- Workshops
- Lab hours
- Internships
- Educational activities
- Individual study

The master's degree ends with a master's thesis, which will be presented in the second year. The modules involve conventional treatments compared to laser-assisted ones in different fields of dentistry: limitations, advantages and disadvantages.

**1. Registration period: September 21, 2020 - September 25, 2020** (online registration and submission of files)

**2. Place:** "Victor Babes" University of Medicine and Pharmacy, Eftimie Murgu Square, no. 2A, Timisoara, Master's University Studies Secretariat

**3. Number of places: 30 of which 10 CPV**

**4. Registration fee: 150 RON**

**5. Confirmation fee: 100 RON**

**6. Tuition fee: 10,000 RON / year**

**7. Duration: 2 years**

**8. Number of credits: 60 / year (120 in total)**

An administrative fee is added to the initial price, amounting to 250-300 lei.

**9. The admission contest consists of:** Interview with each candidate.

The following will be analyzed:

- a. the motivation for choosing this master's program, based on subsequent concerns in the field (for example: bachelor's, dissertation, doctoral theses in a similar field);
- b. Competence in linguistic communication (English), on a scientific topic proposed by the candidate (for example, from the candidate's bachelor's thesis or doctoral thesis).

**10. Conditions of registering for the competition:** For the admission's competition to the master's degree, Romanian and external citizens, graduates with a bachelor's degree or any of its correspondents can register, regardless of the number of years of study, institute and the year in which the candidate obtained bachelor's degree, or its correspondent.

**11. Interview Date: September 29, 2020**

**Contact:**

www.umft.ro – “Studii Masterale” section

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**EMDOLA program directors:**

- Prof.Dr.Samir Nammour, University of Liege, Belgium
- Prof. Josep Arnabat, University of Barcelona, Spain
- Prof.Dr.Umberto Romeo, “La Sapienza”, University of Rome, Italy
- Prof.Dr.Paolo Vescovi, University of Parma, Italy
- Prof.Dr.Carmen Todea, University of Medicine and Pharmacy „Victor Babes” , Timișoara, Romania
- Dr. Kinga Grezch-Lesniak, Medical University of Wroclaw, Poland

**MODULES**

**I:** Optics, Laser Physics

**II:** Laser-tissue interaction, laser safety, properties of laser equipment and their applications in dentistry

**III:** Diagnosis, Laser Doppler Flowmetry, Optical Coherence Tomography, use of laser in dental therapy, use of laser in preventive dentistry, dentinal hypersensitivity

**IV:** Use of laser in pulp capping, in endodontics,

**V:** The use of laser in dental aesthetics, pedodontics and orthodontics

**VI:** Use of laser in periodontics; Photodynamic therapy. Laser in oral surgery

**VII:** The use of the laser in implantology and dental prosthetics, the use of laser in the dental technique laboratory

**VIII:** Low level laser therapy; Jurisprudence and management

**IX:** Designing the master's thesis, bibliographic research, laboratory research, clinical instruction

**X:** Final examination; Public support of the master's thesis

# EMDOLA PROGRAM \*

First year/ 2020-2022

Modules 1 to 6

University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania

W1	October 2020
MODULE I	Optics & Laser physics
W2	November 2020
MODULE IIa	Laser-tissue interaction & Laser safety
W3	December 2020
MODULE IIb	Properties of lasers and their applications in dentistry
	January 2021
SESSION	Examination session
W4	February 2021
MODULE III	Diagnostic, Laser Doppler Flowmetry, Optical Coherence Tomography (TCO), Laser in odontotherapy, laser in preventive dentistry, dentin hypersensitivity

W5	March 2021
MODULE IV	Pulp capping, Laser in endodontics
W6	April 2021
MODULE V	Laser in Dental Aesthetics, Pedodontics and Orthodontics
W7	May 2021
MODULE VI	Laser in Periodontology & Photodynamic therapy Laser in Oral Surgery
W8	May - June 2021
SESSION	Examination session

# EMDOLA PROGRAM \*

Second year/ 2021-2022

Modules 7 to 10

University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania

W9	October 2021	
MODULE VII	Laser in Implantology and Dental Prosthetics, Laser in dental technique laboratory	
W10	November 2021	
MODULE VIII	Low level laser therapy, Jurisprudence and Management & Scientific research methodology	
Preparation of the Master's Thesis		
MODULE IX	December 2021 - March 2022	
	Preparation of the master's thesis, Laboratory research, animal and clinical research	
	April 2022	
	Clinical internships: demonstrative and applied	
MODULE X	July 2022	
	Final examination: presentation of three clinical cases performed by the master student Public support of the master's thesis.	
Lecturers		
External		Interior (UMF Victor Babes)
Prof. Josep Arnabat (Spainia)		Prof. Dr. Darinca Carmen Todea – director
Prof. Roeland De Moor (Belgia)		Prof. Dr. Meda Lavinia Negrutiu
Prof. Antoni Espana (Spainia)		Prof. Adrian Gh. Podoleanu
Prof. Alessandro del Vecchio(Italia)		Prof. Dr. Alexandra Enache
Prof. Samir Nammour (Belgia)		Prof. Adrian Neagu
Prof. Umberto Romeo (Italia)		Prof. Dr. Ramona Popovici
Prof. Paolo Vescovi (Italia)		Prof. Dr. Cosmin Sinescu

Dr. Kinga Grzech-Leśniak(Polonia)	S.L. Dr. Mariana Miron
Prof. Duma Virgil (România)	Prof. Dr. Stefan Stratul
	Conf. Dr. Luminita Nica
	Conf. Dr. Anca Valceanu
	Conf. Dr. Marius Leretter
	S.L. Dr. Serban Talpos
	S.L. Dr. Anca Tudor

\* The subject may change if necessary.

Legend: W - week