

## **Cosmin Sinescu, DMD, PhD**

*Full professor at the "Victor Babeş" University of Medicine and Pharmacy Timișoara, Faculty of Dentistry, Prostheses Technology and Dental Materials Department.*

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The PhD thesis was focused on new methods of diagnostic and forecast in dentistry.

2015 – degree of doctor habilitatus and confirmation as PhD coordinator in the field of dental medicine. He is also Director of the PhD school of Dental Medicine of the "Victor Babeş" University of Medicine and Pharmacy Timișoara

Since 2005 he is a Visiting Senior Research Fellow in the Applied Optics Group at the University of Kent at Canterbury, UK. He is also a member of several dedicated association like Romanian Society of Lasers in Dentistry (SRLS), Swiss Society of Biomaterials (SSB), IADR, IEEE, Romanian Society of Biomaterials (SRB) and SPIE., West Romania Multidisciplinary Research Association. He was member in the research team of 17 projects - in 5 of them as PI, and also a member in the working group of the FP7 COST Action MP 1005

His scientific activity has materialized in a total number of over 550 papers (from which 168 indexed ISI Web of Science). He has also been organizer/coordinator for all Romanian international congresses dedicated to lasers in dentistry applications (2005, 2007, 2009, 2011, 2013 - [www.srls.ro](http://www.srls.ro)), being also involved in the organizing committee for a similar event in 2015 (<http://wfld-bucharest2015.wix.com/romania>) and responsible for the OCT section. According to Web of Science, the Hirsch index is 15. The address of the [researcherid.com](http://www.researcherid.com) profile is: <http://www.researcherid.com/rid/G-1528-2011>.

His principal scientific accomplishment in the field of biomedical imaging, with an accent on OCT, include: Development of OCT technology since 2005 to present, collaborating with the University of Kent, led by prof. A. Gh Podoleanu (Canterbury, UK); Developing the first two OCT system prototypes dedicated to dentistry at the University of Medicine and Pharmacy Timisoara, Faculty of Dentistry in collaboration with Univ.of Kent, UK; Developing the first handheld probes with medical applications for Spectral Domain (SD) OCT, in collaboration with Univ. of Kent, UK and Prof. V.F. Duma, Univ. Aurel Vlaicu Arad. Since 2011 he has also started the collaboration with University State of Buffalo, New York, Toshiba Center which owns laboratory MicroCTs and with the Synchrotron Radiation MicroCT from Trieste (University of Ancona, Italy), in order to validate in a complex way the OCT results. It must be emphasized that these results in the OCT research domain led to a well-deserved rank in the world for Romania in a top of countries that have a significant contribution in this field ([www.octnews.org](http://www.octnews.org)).