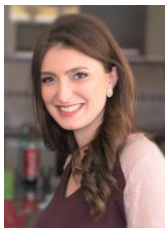


PERSONAL INFORMATION

Ruxandra Elena Luca



📍 Str. Bulevardul Revoluției din 1989 no. 9, 300070 Timișoara (România)

☎ +040740273589

✉ luca.ruxandra@umft.ro

🌐 <https://www.linkedin.com/in/ruxandra-luca-358b1262/>

💬 Skype ruxandra.luca04

POSITION Lecturer at VBUMFT

WORK EXPERIENCE

- 2021–Present **Lecturer**
Oral rehabilitation and dental emergencies department, Faculty of Dentistry, “Victor Babes” University of Medicine and Pharmacy Timisoara, Romania
- 2016–2021 **Assistant professor**
Oral rehabilitation and dental emergencies department, Faculty of Dentistry, “Victor Babes” University of Medicine and Pharmacy Timisoara, Romania
- 2017–Present **Dentist**
DentalPro Med, Timisoara
- 2016–Present **Dentist**
CMMD Dr. Crina Morgoci, Timisoara
- 2014–2016 **Dentist**
ABC Centru Medical Dr Pirjol, Timisoara
- 2014–2016 **Oral surgery resident**
Municipal Emergency Hospital Timisoara, Oral and Maxillofacial Department
- 2010–2012 **Censor of Timișoara Dental Students Association (TDSA),**
- 2007–2013 **Practice in S.C. Dr. Carmen Colojoară S.R.L. dental office, under the guidance of Prof. Dr. Carmen Todea**

EDUCATION AND TRAINING

- 2021 **Obtaining the Doctor in Science title, with the qualification *Summa cum laude*, in the field of Dentistry, following the doctoral thesis entitled " study on the influence of photobiomodulation therapy on the biological mechanism of guided bone regeneration ", by Order of the Minister of Education and Research nr.3252 / 09.02.2021**

University of Medicine and Pharmacy Timisoara, Romania

- 2017–2018 **Psycho-pedagogical training program**
Titu Maiorescu University of Bucharest, Department of Psych-pedagogy
- 2015–2016 **Postgraduate training course in “Laser Therapy in Dentistry”**
Discipline of Oral Rehabilitation and Emergencies in Dentistry, Faculty of Dentistry, “Victor Babeş” University of Medicine and Pharmacy, Timișoara
- 2016 **Obtaining the title of specialist in Dento-alveolar Surgery, by Order of the Minister of Health no. 1623/2016**
- 2014–2016 **Oral surgery resident**
Municipal Emergency Hospital Timisoara, Oral and Maxillofacial Department
- 2007–2013 **Bachelor degree, dentist**
Faculty of Dentistry, “Victor Babeş” University of Medicine and Pharmacy, Timișoara
- 1999–2007 **High school diploma, Certificate in Computer Science**
Colegiul Național “Tudor Vladimirescu”, Târgu Jiu

PERSONAL SKILLS

Mother tongue(s) romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
French	A2	A2	A1	A2	A2
German	A2	A2	A2	A2	A2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills Very good communication skills and teamwork, acquired during the 5 years of activities and projects carried out within the Timișoara Dental Students Association, as well as later, in organizing numerous scientific events, courses and conferences.

Organisational / managerial skills Organizational and teamwork skills have been acquired and cultivated since high school and continuing throughout the faculty, during which I was actively involved in the organization of cultural, artistic and scientific events: theatre spectacle, publishing and promoting the journal of dental students from the University of Medicine and Pharmacy "Victor Babeş", organizing 4 editions of the International Congress of Dentistry for students and young doctors (2009, 2010 , 2011, 2012) and 6 editions of the International Conference Laser in Dental Medicine (editions of 2009 , 2011, 2013, 2015, 2017,20218).

Computer skills

AUTOEVALUATION				
Processing of information	Communication	Content creator	Security	Solving problems

Experienced user	Experienced user	Experienced user	Experienced user	Independent user
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An experienced user of Microsoft Office tools and computer graphics applications (Corel Draw, Photoshop, In Design), obtained after vocational training during high school mathematics-computer science, as well as volunteer activities (magazine publishing, brochures, flyers and abstract books).

Other skills Photography / Photography in dental medicine

Driving licence B

ADDITIONAL INFORMATION

Publications **List of published ISI papers include:**

1. **Luca, R.E.;** Giuliani, A.; Mănescu, A.; Heredea, R.; Hoinoiu, B.; Constantin, G.D.; Duma, V.-F.; Todea, C.D. *Osteogenic Potential of Bovine Bone Graft in Combination with Laser Photobiomodulation: An Ex Vivo Demonstrative Study in Wistar Rats by Cross-Linked Studies Based on Synchrotron Microtomography and Histology.* Int. J. Mol. Sci. **2020**, 21, 778, **IF 4,01**
2. Alexandra Roi, Laura C Rusu, Ciprian I Roi, **Ruxandra E Luca**, Simina Boia, Roxana I Munteanu, *A New Approach for the Diagnosis of Systemic and Oral Diseases Based on Salivary Biomolecules*, Disease markers, **2019**, ISSN 0278-0240, **IF 2,7**
3. **Ruxandra Elena Luca**, Carmen Darinca Todea, Virgil-Florin Duma, Adrian Bradu, Adrian Gh Podoleanu, *Quantitative assessment of rat bone regeneration using complex master-slave optical coherence tomography*, Quantitative Imaging in medicine and surgery, **2019**, 9, 5, 782, ISSN 22234292, **IF 3,07**
4. Liliana Luca, Minodora Maria Pasare, **Ruxandra Elena Luca**, Amalia Venera Todorut, *Study on a Determination of Measures Needed to Improve the Quality of Analyzes Performed in a Chemical Laboratory*, Revista de Chimie, **2019**, 70 (6), 1975-1978, ISSN 0034-7752, **IF 1,6**
5. Gianfranco Semez, **Ruxandra Elena Luca**, Alberto Cescato, Valentina Faoro, Daliana Emanuela Mocuța, Darinca Carmen Marilena Todea, *Effect of the laser beam on implant site preparation: a preliminary pilot study*, Rom J Morphol Embryol, **2018**, 59,3,861-7, ISSN 1220-0522, **IF 1,5**
6. Darinca Carmen Marilena Todea, **Ruxandra Elena Luca**, Cosmin Anton Bălăbuc, Mariana Ioana Miron, Cosmin Locovei, Daliana Emanuela Mocuța, *Scanning electron microscopy evaluation of the root canal morphology after Er: YAG laser irradiation.*, Rom J Morphol Embryol, **2018**, 59,3,861-7, ISSN 1220-0522, **IF 1,5**
7. Carmen Todea, Daliana Mocuta, Adrian Manescu, Gianfranco Semez, Alessandra Giuliani, **Ruxandra Luca**, Alexandru Ogodescu, *Laser Use in Endodontic for Increase the Adhesion of Root Canal Filling A synchrotron radiation micro tomography study*, Revista De Chimie, **2018**, 69, 8, 2144-2149, ISSN 0034-7752, **IF 1,6**
8. Gianfranco Semez, Carmen Todea, Daliana Mocuta, Ioana Tuta Sas, **Ruxandra Luca**, *Chemical and Morphologic Analysis of Titanium Dental Implants: X-ray Photoemission Techniques (XPS) and Scanning Electron Microscopy (SEM) with EDX Analysis*, Revista De Chimie, **2018**, 69, 2, 474-477, ISSN 0034-7752, **IF 1,6**
9. Semez G, Cescato A, **Luca RE**, Tonetti L, Todea DC. *A Comparative Analysis Regarding the Osseointegration of Immediate Loaded Implants Using Two Different Implant Site Preparations: Erbium:Yttrium-Aluminum-Garnet Laser Versus Surgical Conventional Way-An In Vivo and Histological Animal Study.* Photobiomodul Photomed Laser Surg. 2020 Dec 17. doi: 10.1089/photob.2020.4889. Epub ahead of print. PMID: 33332212. **IF 1,9**

List of ISSN proceeding (indexed WOS) published papers include:

1. **Ruxandra Luca**, Carmen Darinca Todea, George D Constantin, Daliana Mocuta, Roxana Munteanu, *Animal models in guided bone regeneration using photobiomodulation: general aspects and particularities influencing the studies outcome-a review*, **2018**, 10831, 108310A, ISSN (print) 0277-786X

2. Ioana-Roxana Munteanu, Carmen Todea, **Ruxandra-Elena Luca**, Daliana Emanuela Mocuta, *Photodynamic therapy in periodontology: a systematic review*, **2018**, 10831, 108310B, , ISSN (print) 0277-786X
3. **Ruxandra Luca**, Adina Doda, Daliana Mocuta, Anca Tudor, Carmen Todea, *Comparative study of the efficiency of optical diagnostics in residual caries determination. In vivo study*, **2018**, 10831, 108310B, , ISSN (print) 0277-786X
4. **Ruxandra Luca**, Carmen Todea, Cosmin Bălăbuc, Luminita Nica, Giacomo Armani, Cosmin Locovei, *Alternative techniques in root canal debridement*, Proc. SPIE 8925, Fifth International Conference on Lasers in Medicine: Biotechnologies Integrated in Daily Medicine, 89250F (January 14, **2014**); doi:10.1117/12.2044184;

List of BDI published papers include:

1. **LUCA, Ruxandra Elena**, Iulian POPESCU, and Liliana LUCA. "Comparative morphological analysis regarding the human and canine masticatory apparatus and the equivalent biological mechanism to dog biomechanism." *Fiability & Durability/Fiabilitate si Durabilitate* 1 (2020), ISSN 1844 – 640X
1. Marinela Ciortan, Liliana Luca, **Ruxandra Luca**, *Study on the mastication movements of the temporomandibular joint*, *Fiability & Durability/Fiabilitate si Durabilitate*,**2018**, 2,144-149, ISSN 2344 – 3669
2. Liliana Luca, Iulian Popescu, **Ruxandra Luca**, *A Biological Gripping Mechanism Equivalent With The Biomechanism Of The Human*, *Fiability & Durability/Fiabilitate si Durabilitate*, **2019**, ISSN 2344 – 3669

List of published ISBN abstract papers include:

1. Daliana Mocuta, Mihaela Cirdei, Alexandru Ogodescu, **Ruxandra Luca**, Carmen Todea, *Comparative study of marginal percolation of temporary teeth after conventional cavity preparation versus laser preparation*, SPIE proceeding , 7th Conference On Lasers In Medicine: Advanced laser technologies in the hands of medicine, July 13th - 15th **2017**, Timisoara, Romania, ISBN 978-973-108-766-5
2. Daliana Mocuta, Carmen Darinca Todea, **Ruxandra Luca**, *The influence of laser radiation on dental plaque. A systematic review*, SPIE proceeding , 7th Conference On Lasers In Medicine: Advanced laser technologies in the hands of medicine, July 13th - 15th **2017**, Timisoara, Romania, ISBN 978-973-108-766-5

List of published books as co-author include:

1. Carmen Todea, Mariana Miron, Cosmin Bălăbuc, Silvana Cănjău, Bogdan Bâldea, Corina Mărcăuțeanu, **Ruxandra Luca**, Daliana Mocuța, *Reabilitarea Orală: de la simplu la complex*, Ed. Victor Babeș,2018, ISBN 978-606-8054-76-6
2. Carmen Todea, Mariana Miron, Silvana Cănjău, Bogdan Bâldea, Corina Mărcăuțeanu, **Ruxandra Luca**, Daliana Mocuța, *Oral rehabilitation: From simple to complex*, Ed. Victor Babeș, 2019, ISBN 978-606-8054-76-6

Honours and awards

List of awarded scientific papers as first author include:

- **First prize** - Oral presentation section, International congress of the World Federation of Lasers in Dentistry, AEEDC Dubai, 4-6 Febr. 2020: **Ruxandra Elena Luca**, Carmen Darinca Todea, Virgil-Florin Duma, Adrian Bradu, Adrian Gh. Podoleanu, *Enhancement of bone regeneration techniques using laser photobiomodulation: an ex-vivo study on Wistar rats based on optical coherence tomography and histology*
- **First prize** in DenTim International Dental Congress 2013, with oral presentation: **Ruxandra Luca**, Carmen Todea, Cosmin Bălăbuc, Luminita Nica, Giacomo Armani, Cosmin Locovei ,*Tehnici alternative de debridare a canalelor radiculare*.
- **Special prize** during the International Conference of Lasers in Medicine 2013 edition, "Biotechnologies integrated in medical practice" with oral presentation: **Ruxandra Luca**, Carmen Todea, Cosmin Bălăbuc, Luminita Nica, Giacomo Armani, Cosmin Locovei, *Alternative techniques*

in root canal debridement

- **Special Award** at the 2010 DenTim International Congress, participating with the poster: **Luca Ruxandra**, Carmen Todea, Laura Maria Filip, *Hipersensibilitatea dentinară la pacienții consumatori de băuturi carbogazoase*

List of awarded scientific papers as co-author include :

- **2nd prize** in the Oral presentation section, within the International Congress "2nd International Congress of Lasers in Dentistry", 5-7 Sep. 2018, Constanta, with the paper: Iulia Pascal, Mirel Diaconu, **Ruxandra Elena Luca**, Carmen Todea, Cornel Igna, Larisa Schuszler, Diana Argherie, Rodica Heredea, *Comparative study between 808 nm diode laser, radiofrequency, electrosurgery and scalpel in oral tissue surgery*
- **3rd prize** in the Poster Presentation section within the international congress "2nd International Congress of Lasers in Dentistry", 5-7 Sep.2018, Constanța with the paper: Daliana Mocuța, **Ruxandra Luca**, Carmen Todea, *The influence of laser radiation on dental plaque. A systematic review*

Conferences

- 2010, March: EDSA International Congress, Bucharest
- 2010, April: DenTim International Congress 2010
- 2011, May: DENTis International Congress for Students and Young Doctors 2011, Cluj Napoca
- 2011, December: first aid course, organized by the Red Cross
- 2012, May: Course of stabilization of dental prostheses with the help of 3M ESPE MDI mini-implants, supported by Assoc. Prof. Dr. Marius Leretter
- 2013, April: DenTim International Dental Congress 2013
- 2013, July: Congress of the European Division of the World Federation for Laser Dentistry
- 2014, November: Course of malformations in the oro-facial sphere, Timisoara
- 2015, May: International Congress of Lasers in Dentistry - 6th Edition, Bucharest, Romania
- 2015, May: 3-day course - III International Implantology Days, HL Academy, Baden-Baden, Germany
- 2016, April: Congress of Osteology, Monaco
- 2016, November: Implantology course Dr. Roland Toroq, Nuremberg
- 2017, July: International Congress of Lasers in Dentistry, Timisoara, Romania
- 2018, June: EuroPerio Congress, Amsterdam, The Netherlands
- 2018, September: International Congress of Lasers in Dentistry, Constanța, Romania
- November 2018: Hands-on course of advanced surgery on corpses, Barcelona, Spain
- 2019, June, WFLD International Congress, Parma, Italy
- 2020, February: International Congress of the World Federation of Lasers in Dentistry, AEEDC Dubai, 4-6 Feb. 2020
- 2020, May: SSER Dental Aesthetics Congress with international participation
- 2021, May: SSER Dental Aesthetics Congress with international participation

Workshops:

- 2011, April: participation in the Endodontics Workshop - ProTaper System, given by the lecturer Dr. Luminița Nica, Timișoara
- March 2012: participation in the Endodontics Workshop - Reciprocal System, given by the lecturer Dr. Luminița Nica, Timișoara
- 2013, April: Effective methods for filling in the posterior area
- 2013, April: Basic elements in dental photography

Citations

Citations: 104

h-index: 5 (Google scholar), 3 (WOS, Scopus)

01.03.2022, Timisoara