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PERSONAL INFORMATION Ruxandra Elena Luca



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

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

Skype ruxandra.luca04

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Scopus 56039502300

POSITION Associate Professor at "Victor Babes" University of Medicine and Pharmacy Timisoara, Romania

WORK EXPERIENCE

2026-Present — Associate Professor
Oral rehabilitation and dental emergencies University Clinic, Faculty of Dentistry, "Victor Babes"University of Medicine and Pharmacy Timisoara, Romania

2021–2026 — Lecturer
Oral rehabilitation and dental emergencies University Clinic, Faculty of Dentistry, "Victor Babes"University of Medicine and Pharmacy Timisoara, Romania

2022–Present — Owner and dentist
Green SMILEHOUSE Clinic Timișoara

2023–Present — Consultant oral surgeon
Resident supervisor for the specialty of General Dentistry
Timișoara Municipal Emergency Clinical Hospital

2016–2021 — Assistant professor
Oral rehabilitation and dental emergencies department, Faculty of Dentistry, "Victor Babes" University of Medicine and Pharmacy Timișoara, Romania

2017–Present — Dentist
DentalPro Med, Timisoara

2016–2022 — 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 — Internship at the Surgery Clinic of the "Pius Brînzeu" County Emergency Clinical Hospital in Timișoara (2008)

Internship at the dental practice S.C. Dr. Carmen Colojoară S.R.L., under the supervision of Prof. Dr. Carmen Todea

EDUCATION AND TRAINING

2024 **Obtaining the title of consultant physician in the specialty of oral surgery**
Ministerial Order no. 4454/03.09.2024

2021 **Obtaining the Doctor in Science title, with the qualification *Summacum 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* ", byOrder 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 Babeș" 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 Babeș" 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 use r
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 Babes", 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, 2023, 2025).

Computer skills

AUTOEVALUATION

Processing of information	Comunication	Content creator	Security	Solving problems
Experienced user	Experienced user	Experienced user	Experienced user	Independent user

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:
MAIN AUTHOR:

1. Darinca Carmen Marilena Todea, **Ruxandra Elena Luca**, Cosmin Anton Bălăbuc, Mariana Ioana Miron, Cosmin Locovei, Daliana Emanuela Mocuţa, *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** (corresp author)

2. 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** (last author)

3. 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** Q2 (equal contribution)

4. **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** Q2

5. **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** Q1

6. 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. 2021 Jan;39(1):70-80. doi: 10.1089/photob.2020.4889. Epub 2020 Dec 17. PMID: 33332212. **IF 2,7** Q2 (corresp author)

7. Miron, M.I.; Barcutean, M.; **Luca, R.E**.; Todea, C.D.; Tudor, A.;Ogodescu, E. The Effect of Changing the Toothbrush on the Marginal Gingiva Microcirculation in the Adolescent Population—A Laser Doppler Flowmetry Assessment. Diagnostics 2022, 12, 1830. https://doi.org/10.3390/diagnostics12081830 **IF 3.9** Q1 (corresp author)

8. Munteanu, I.R.; **Luca, R.E**.; Mateas, M.; Darawsha, L.D.; Boia, S.; Boia, E.-R.; Todea, C.D. The Efficiency of Photodynamic Therapy in the Bacterial Decontamination of Periodontal Pockets and Its Impact on the Patient. Diagnostics 2022, 12, 3026.

https://doi.org/10.3390/diagnostics12123026 **IF 3.9** Q1 (corresp author)

9. Munteanu, I.-R.; **Luca, R.-E**.; Hogea, E.; Erdelyi, R.-A.; Duma, V.-F.; Marsavina, L.; Globasu, A.-L.; Constantin, G.-D.; Todea, D.C. Microbiological and Imaging-Based Evaluations of Photodynamic Therapy Combined with Er:YAG Laser Therapy in the In Vitro Decontamination of Titanium and Zirconia Surfaces. Microorganisms 2024, 12, 1345. https://doi.org/10.3390/microorganisms12071345, **IF 4,01** Q2 (corresp author)

10. **Luca, R.-E.;** Del Vecchio, A.; Munteanu, I.-R.; Margan, M.-M.; Todea, C.D. Evaluation of the Effects of Photobiomodulation on Bone Density After Placing Dental Implants: A Pilot Study Using Cone Beam CT Analysis. Clin. Pract. 2025, 15, 64. https://doi.org/10.3390/clinpract15030064, IF 1,7 Q2

11. **Luca, R.E**.; Giumancă-Borozan, A.; Hulka, I.; Munteanu, I.-R.; Todea, C.D.; Miron, M.I. Er:YAG Laser Applications for Debonding Different Ceramic Restorations: An In Vitro Study. Medicina 2025, 61, 1189. https://doi.org/10.3390/medicina61071189, **IF 2,4** Q1

12. Gidea-Paraschivescu, E.; **Luca, R.E**.; Ratiu, C.A.; Roi, C.I. Parotid Gland Tumors: An Institutional 8-Year Retrospective Study Spanning the COVID-19 Pandemic and Global Diagnostic Trends. J. Clin. Med. **2025**, 14, 7382. https://doi.org/10.3390/jcm14207382, ISSN 2077-0383, **IF 2.9, Q1 (corresp author)**

13. Roi, C.; **Luca, R.E.**; Roi, A.; Nicoară, A.; Fanan, S.; Zară, F.; Clošca, R.M.; Riviș, M. A Rare Case of Mandibular Chondrosarcoma Arising from Fibrous Dysplasia. Dent. J. **2025**, 13, 560. https://doi.org/10.3390/dj13120560 **IF 3.1 Q1 (corresp author)**

14. Munteanu, I.-R.; Constantin, G.-D.; **Luca, R.-E**.; Veja, I.; Miron, M.-I. Diode Laser-Guided Protocol for Endo-Perio Lesions: Toward a Multi-Stage Therapeutic Strategy—A Case Series and Brief Literature Rev iew. Medicina **2025**, 61, 2157. https://doi.org/10.3390/medicina61122157 **IF 2,4 Q1 (corresp author)**

15. **Luca, R.E**.; Roi, C.I.; Roi, A.; Gîdea-Paraschivescu, E. Long-Term Clinical Outcome of a Surgically Treated Ameloblastoma: Over a Decade of Follow-Up and Oral Rehabilitation. Dent. J. **2026**, 14, 39. https://doi.org/10.3390/dj14010039 **IF 3.1**, **Q1**

16. **Luca R-E,** Cica M-A, Munteanu I-R, Gidea-Paraschivescu E, Constantin G-D, Miron M-I. Impacted third molars and their influence on second molar pathologies: radiological patterns, statistical analysis, and emerging AI perspectives. Front. Dent. Med. **2026** 7:1812621. doi: 10.3389/fdmed.2026.1812621 **IF 1,8 Q3**

CO-AUTHOR:

17. Gianfranco Semez, **Ruxandra Elena Luca**, Alberto Cescato, Valentina Faoro, Daliana Emanuela Mocuţa, 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**

18. 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**

19. 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**

20. Mocuta, D.-E.; Grad, O.; Mateas, M.; **Luca, R**.; Carmen Todea, D. Comparative Evaluation of Influence of Nd:YAG Laser (1064 nm) and 980 nm Diode Laser on Enamel around Orthodontic Brackets: An In Vitro Study. Medicina 2022, 58, 633. https://doi.org/10.3390/medicina58050633 **IF 2,9**

21. Roi, C.; Gaje, P.N.; Ceaușu, R.A.; Roi, A.; Rusu, L.C.; Boia, E.R.; Boia, S.; **Luca, R.E.**; Riviș, M. Heterogeneity of Blood Vessels and Assessment of Microvessel Density-MVD in Gingivitis. J. Clin. Med. 2022, 11, 2758. https://doi.org/10.3390/jcm11102758 **IF 4,9** Q1

22. Constantin, G.-D.; Mazilescu, C.-A.; Hoinoiu, T.; Hoinoiu, B.; **Luca, R.E**.; Viscu, L.-I.;Pasca, I.G.;

Oancea, R. Attitude of Romanian Medical Students and Doctors toward Business Ethics: Analyzing the Influence of Sex, Age,and Ethics Education. Eur. J. Investig. Health Psychol. Educ. 2023, 13, 1452–1466. https://doi.org/10.3390/ejihpe13080106 **IF 3.2** Q2

23. Roi C, Negruțiu ML, Roi A, Riviș M, **Luca RE**, Raica M, Ceaușu RA, Motofelea AC, Gaje PN. Human Periapical Odontogenic Granulomas: Aspects of Microvessel Density (MVD), Heterogeneity of Blood Vessels and Mast Cells Density (MCD). Biomedicines. 2023 Oct 5;11(10):2709. doi: 10.3390/biomedicines11102709. PMID: 37893083; PMCID: PMC10603906. **IF 4.7** Q1

24. Boia ER, Huț AR, Roi A, **Luca RE**, Munteanu IR, Roi CI, Riviș M, Boia S, Duse AO, Vulcănescu DD, Horhat FG. Associated Bacterial Coinfections in COVID-19-Positive Patients. Medicina (Kaunas). 2023 Oct 19;59(10):1858. doi: 10.3390/medicina59101858. PMID: 37893576; PMCID: PMC10607966. **IF 2.6** Q1

25. Constantin, G.-D.; Hoinoiu, B.; Veja, I.; Mazilescu, C.-A.; Hoinoiu, T.; **Luca, R.E**.; Munteanu, I.R.; Oancea, R. Moral Distress in Ethical Dilemmas: A Comparative Study of Medical Students and Physicians. Healthcare 2025, 13, 2547. https://doi.org/10.3390/healthcare13192547 **IF 2,7**, Q2

26. Constantin, G.-D.; Hoinoiu, B.; Veja, I.; Lile, I.E.; Mazilescu, C.-A.; **Luca, R.E**.; Munteanu, I.R.; Oancea, R. Scenario-Based Ethical Reasoning Among Healthcare Trainees and Practitioners: Evidence from Dental and Medical Cohorts in Romania. Healthcare 2025, 13, 2583. https://doi.org/10.3390/healthcare13202583 **IF 2.7**, Q2

27. Constantin, G.D.; **Luca, R.E**.; Veja, I.; Mazilescu, C.-A.; Hoinoiu, B.; Hoinoiu, T.; Munteanu, I.R.; Oancea, R. Ethical Decision-Making in Medical Practice: The Role of Moral and Business Philosophies. Healthcare **2025**, 13, 3296. https://doi.org/10.3390/healthcare13243296 **IF 2.7**, **Q2** **(equal author)**

28. Ratiu, C.A.; Dejeu, D.; Croitoru, C.A.; Todor, A.; Ratiu, I.A.; **Luca, R.E.**; Moisa, C.; Miclaus, V.; Rus, V. Early Osseous Proliferation in Spiraled Healing Chambers Resulted After the Insertion of Titanium Implants in Cortical Bone of a Rabbit. Medicina **2026**, 62, 72. https://doi.org/10.3390/medicina62010072 **IF 2,4** **Q1** **(second corresp author)**

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 aspectsand 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
2. 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
3. Liliana Luca, Iulian Popescu, **Ruxandra Luca**, *A Biological Gripping Mechanism Equivalent With The Biomecanism Of The Human*, Fiability & Durability/Fiabilitate si Durabilitate, 2019, ISSN 2344 – 3669

List of published ISBN/ISSN abstract papers include:

1. **Luca Elena Ruxandra**, Mariana Miron, Ioana Roxana Munteanu, Anișoara Borozan, Carmen, Darinca Todea , Category: Original research: Preclinical, Title: Alternative Techniques For Fixed Prosthetic Restoration Removal: An In Vitro Study On The Er:Yag Laser Debonding Effectiveness Of 4 Different Types Of Restorations and 2 Cements,

Poster în cadrul celui de-al 18-lea Congres Internațional al WFLD, Sao-Paolo, Brazilia,11-13 Noiembrie **2024**, ISSN : 3078-7068

2. Ioana Roxana Munteanu, Carmen Darinca Todea, **Luca Ruxandra-Elena**, Constantin George-Dumitru, Erdelyi Ralph-Alexandru, Duma Virgil-Florin, Marsavina Liviu, Category: Original research: Clinical Title: Imaging Analysis Regarding The Disinfection Efficacy Of Different Laser Wavelenghts On Titanium And Zirconia Surfaces: An OCT And SEM Evaluation, Poster în cadrul celui de-al 18-lea Congres Internațional al WFLD, Sao-Paolo, Brazilia,11-13 Noiembrie **2024**, ISSN : 3078-7068
3. **Ruxandra Luca**, Carmen Darinca Todea, George Constantin, Daliana Mocuta, *Animal models in guided bone regeneration using photobiomodulation. General aspects and particularities influencing the studies outcome. A review*., 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
4. **Ruxandra Luca**, Adina Doda, Daliana Mocuța, Anca Tudor, Carmen Todea, *Comparative study of the efficiency of optical diagnostics in residual caries determination. In vivo study*, 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
5. 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
6. Daliana Mocuta, Carmen Darinca Todea, **Ruxandra Luca**, *The influence of laser radiation on dental plaque. A systematic review*, Poster, 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
7. Cosmin Bălăbuc, Carmen Todea, Aurel Răduță, Cosmin Locovei, **Ruxandra Luca**, Daliana Mocuța, Mariana Miron, *Scanning Electron Microscopy investigation of 980 nm diode laser assisted endodontic treatment*, Oral presentation, 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
8. **Ruxandra Luca**, Carmen Todea, Cosmin Bălăbuc, Luminita Nica, Giacomo Armani, Cosmin Locovei, *Alternative techniques in root canal debridement*, prezentare orală în cadrul Conferinței Internaționale de Laseri în Medicină, "Biotehnologii integrate în practica medicală" , 19-21 Septembrie **2013**, Timisoara, Romania, ISBN 976-606-569-656-3, Editura Eurostampa

List of published books as co-author include:

1. Carmen Todea, Mariana Miron, Cosmin Bălăbuc, Silvana Cânjău, Bogdan Bâldea, Corina Mărcăuţeanu, **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 Cânjău, Bogdan Bâldea, Corina Mărcăuțeanu, **Ruxandra Luca**, Daliana Mocuța, *Oral rehabilitation: From simple to complex*, Ed. Victor Babes, 2019, ISBN 978-606-8054-76-6
3. Carmen Todea, Daliana Emanuela Bojoga, Edmond Ciora, Mihaela Cîrdei, George Dumitru Constantin, Elena Hanigovski, **Ruxandra Elena Luca**, Mariana Ioana Miron, Ioana Roxana Munteanu, *Atitudinea de urgenţă în medicina dentară*, Editura „Victor Babeş", 2021, ISBN 978-606-786-255-3
4. Carmen Todea, Daliana Emanuela Bojoga, Edmond Ciora, Mihaela Cîrdei, George Dumitru Constantin, Elena Hanigovski, **Ruxandra Elena Luca**, Mariana Ioana Miron, Ioana Roxana Munteanu, *Emergencies in dental medicine*, Editura „Victor Babeş", 2021, ISBN ISBN 978-606-786-254-6

Chapter book in International publishers:

1. Dental Caries - From Prevention to Restoration", ISBN 978-1-83635-641-7, Prof. Efka Zabokova Bilbilova, 2025/9/29, IntechOpen. Chapter: Advanced laser application for dental caries management. Authors: **Ruxandra Elena Luca**, Roxana Ioana Munteanu, Mariana Ioana Miron, Alexandra Roi and Ciprian Ioan Roi Doi 10.5772/intechopen.1008113, ISBN 978-1-83635-640-0, Print ISBN 978-1-83635-641-7, eBook (PDF) ISBN 978-1-83635-642-4

2. Periodontal Frontiers, Prof. Haim Tal, 2025/8/28 Editor IntechOpen. Chapter:Periodontal Pathogens and their Involvement in the Oral Carcinogenesis Process. Authors: Alexandra Roi, Ciprian Ioan Roi, Mircea Rivis, **Ruxandra**

Luca, Simina Boia, Laura-Cristina Rusu

3. Recent Advancements in Optical Coherence Tomography, Michael R. Wang, DOI 10.5772/intechopen.1013879, ISBN 978-1-80632-209-1, Print ISBN 978-1-80632-211-4, eBook (PDF) ISBN 978-1-80632-212-1, Chapter: Optical Coherence Tomography in Dentistry: Diagnostic Applications for Materials, Hard and Soft Tissues, Authors: **Ruxandra Elena Luca**, Carmen Darinca Todea, Adrian Bradu and Adrian Gh Podoleanu, DOI: 10.5772/intechopen.1016842, [Working Title]

Honours and awards

List of awarded scientific papers as first author include:

- **First Prize** in the Poster section, within the 9th edition of the WFLD European Congress & 10th International Conference on Lasers in Dentistry, 2025, May, 29-31, Timisoara, Romania: Ruxandra Elena Luca, Alessandro Del Vecchio, Ioana Roxana Munteanu, Carmen Darinca Todea, Cone beam CT investigation of the effects of photobiomodulation on maxillary bone mineral density
- **First prize -** Oral presentation section, International congress of the World Federation of Lasers inDentistry, AEEDC Dubai, 4-6 Febr. 2020: **Ruxandra Elena Luca**, Carmen Darinca Todea, Virgil- Florin Duma, Adrian Bradu, Adrian Gh. Podoleanu, *Enhancement of bone regeneration techniquesusing 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, ClujNapoca
- 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
- 2022, June: Implantodays Implantology Congress, Poiana Brasov
- 2023, May, 25-27: 9th International Laser Dentistry Conference, Oradea, Romania (invited speaker)
- 2024, February, 6-8: AEEDC Dubai, UAE
- 2024, June, 6-8: 19th ISLD Laser Dentistry World Congress, Porto, Portugal
- 2025, February, 10-12: Mastering Advanced Soft Tissue Management Techniques (part of Soft Tissue management around Teeth and Implants Program), at the Zucchelli Institute Bologna, Italy, Prof. Giovani Zucchelli
- 2025, May, 29-31: 10th International Laser Dentistry Conference, Timisoara, Romania (invited speaker)
- 2025, June, 14-16: Advanced soft tissue techniques and management of complications on dental implants, Bucharest, Romania, Zucchelli Institute, Prof. Giovani Zucchelli
- 2025, October, 11: Course Beyond the drill, Alba-Iulia, Romania

Workshops:

- 2011, April: participation in the Endodontics Workshop - ProTaper System, lecturer Dr. Luminița Nica, Timișoara
- March 2012: participation in the Endodontics Workshop - Reciprocal System, lecturer Dr. Luminița Nica, Timișoara
- 2013, April: Effective methods for filling in the posterior area
- 2013, April: Basic elements in dental photography
- 2025, April, 3: lecturer at the workshop "Diode Lasers in Dentistry", within the International Congress Dentim:Updated Dentistry
- 2026, April: lecturer at the workshop "Diode Lasers in Dentistry", within the International Congress Dentim:Updated Dentistry

Citations References: 408

h-index: 10 (Google scholar), 8 (WOS), 9 (Scopus)

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