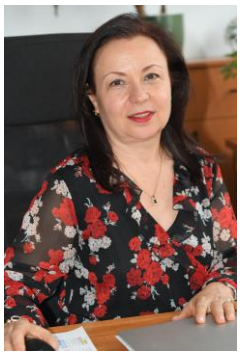
Curriculum vitae

PERSONAL INFORMATION Mariana - Ioana Miron



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POSITION

- Assoc. Prof. DDS, PhD and Head of the University Clinic of Oral Rehabilitation and Dental Emergencies, Department 2, Timisoara Faculty of Dental Medicine, University of Medicine and Pharmacy "Victor Babes" Timisoara, Romania
- Dental Consultant in the Dental Ambulatory of the Emergency Municipal Clinic Hospital

PROFESSIONAL EXPERIENCE

2023 - present

- Assoc. Prof. DDS, PhD, University of Oral Rehabilitation and Dental Emergencies Faculty of Dental Medicine, UMFVBT Decision No. 317/ 24.02.2023
- Resident coordinator for the General Dentistry specialty
- Director of the Interdisciplinary Center for Dental Medical Research, Lasers and Innovative Technologies
- Coordinator of Master Programme ”LASERS IN DENTAL MEDICINE” in partnership with European Master Degree in Oral Laser Applications (E.M.D.O.L.A.) •

18 Feb 2013 – 05 March 2023

- Lecturer in the Discipline of Oral Rehabilitation and Dental Emergencies, Department 2, Faculty of Dental Medicine, Decision No. 14917/ 11 Dec 2012

"Victor Babeş” UMF Timișoara, 2 Eftimie Murgu Sq, 300041, Timișoara (Romania)

- **teaching activity**:

- lectures: *The Methodology of Medical Scientific Research*, *Risk Patients in the Dental Medicine Practice;* - practical works*: Emergencies in Dental Medicine. Oral Rehabilitation and Specialization Practice, Risk Patients in the Dental Medicine Practice;*

- **diploma paper supervision**

- MA dissertation supervision 2017-2018 – ASSESSMENT OF DENTINE HYPERSENSITIVITY TREATMENT WITH Nd:YAG : CLINICAL STUDY AND LASER DOPPLER FLOWMETRY (LDF)

- **Lecturer in the European Master in Laser Applications in Dental Medicine** E.M.D.O.L.A. (**E**uropean **M**aster **D**egree in **O**ral **L**aser **A**pplications)

- **scientific research activity**

1 Oct 1998 - 17 Feb 2013

- **Assistant Lecturer** in the Discipline of Oral Rehabilitation and Emergencies in Dental Medicine, Faculty of Dental Medicine

"Victor Babeş” UMF Timisoara, 2 Eftimie Murgu Sq, 300041,Timisoara, Romania

- **teaching activity:** practical works with the students in the Discipline of Oral Rehabilitation and Emergencies in Dental Medicine
- **diploma paper supervision and**
- **scientific research activity**:

Project Manager

- Project **CNCSIS IDEI 1752 / 2009-2011**: *Development of Optoelectronical Methods for Exploration and Early Diagnose of the Vitality Assessment of Prosthetically Prepared Teeth and Gingival Inflammation, Optimization of the Working Technique*: 2009 – 2011

Member in the project team

- Project **CEEX 82** - *Optimization of the Dental-Parodontal Treatments by Using Laser Technology – Multidisciplinary Tests* 2006 – 2008
- Project **CNCSIS A (A-1032)**: *Optimization of the biomechanical performance of partial prostheses by introducing a new system of maintenance, support and stability and the generation of various modern measures of hygiene and care* 2007 – 2008

1 Oct 1998 - present **Dental Consultant - General Dentistry**

Municipal Clinic Hospital Timişoara, 1 Gheorghe Dima St, Timișoara, Romania

- medical activity with patients, plurality of functions

1996 - 2007 **Specialist Doctor - General Dentistry**

Dental Practice S.C. "Dr. Carmen Colojoară" S.R.L., Timișoara, România

- medical activity with patients, in the private sector

1994 - 1995 **Associate teaching staff in The College of Dental Technicians**

"Victor Babeş" UMF Timisoara, 2 Eftimie Murgu Sq, 300041, Timișoara, Romania

- **teaching activity** with the 1st year students:

1st semester – practical works of *Morphology of the Dental Maxillary System*

2nd semester – practical works of *Prostheses technology*

- **scientific research activity**

EDUCATION AND TRAINING

13 Apr 2018 **Certificate of Psychology, Accredited psychologist, No. 269/ 13 Apr 2018**

The Romanian College of Psychologists, Bucharest, Romania

23 Nov 2012 – 01 Apr 2016 **Graduation Diploma, Series ACCPI No. 66/ 11 Apr 2016, training in Integrative Psychotherapy**

TRAINING BODY – The Association of Research, Counselling and Integrative Psychotherapy (ACCPI) together with The Romanian College of Psychologists, Timișoara, Romania

31 Dec 2013 – 08 Nov 2015 **Diploma, Series ATFCT No. 017/ 11 Dec 2015, training in Family Psychotherapy**

TRAINING BODY – The Association of Couple and Family Psychotherapy Timișoara, The Romanian College of Psychologists, Timișoara, Romania

Feb 2014 – June 2014 **Graduation Certificate, Psychopedagogical Training Programme, Level II – The Department for Teaching Staff Training, No. 199/ 16 Dec 2015,**

University of the West Timișoara, The Department for Teaching Staff Training, Timișoara, Romania

Oct 2013 – Feb 2014 **Graduation Certificate, Psychopedagogical Training Programme, Level I – The Department for Teaching Staff Training, No. 83/ 16 Dec 2015**

University of the West Timișoara, The Department for Teaching Staff Training, Timișoara Romania

2012 **Certificate of complementary studies in *The Surgical and Therapeutical Use of Lasers in Dental Medicine*, No. 31447 / 20 Jan 2012** Ministry of Health, General Directorate of Human Resources and Certificates, Bucharest, Romania

Oct 2008 – Jul 2011 **BA Degree No. 2019/ 26 Jun 2012**

University of the West Timișoara, Faculty of Sociology and Psychology, Timișoara, Romania

2011 **Trainer skills specialization programme - Certificate No. 390/ 2011**

Ministry for Occupation, Family and Equality of Chances/ Ministry of Education, Research and Youth, Romania

2007 **Postgraduate Course "Laser Therapy in Dental Medicine", Module III - receipt 11350/ 19 Dec 2007 -** "Victor Babeş" UMF Timişoara, Romania

2006	Postgraduate Course "Laser Therapy in Dental Medicine", Module II - receipt 9483/ 08 Nov 2006 "Victor Babeş" UMF Timişoara, Romania
2005	Postgraduate Course "Laser Therapy in Dental Medicine", Module I - receipt 10663/ 20 Dec 2005 "Victor Babeş" UMF Timişoara, Romania
2005	Course "Management of Pharmaceutical and Medical Scientific Research Projects" - Certificate No. 064/ 2005 "Victor Babeş" UMF Timişoara, Romania
1998 - 2004	PhD Degree in Dental Medicine, No. 239/ 09 Jun 2005, based on the Disposition of the Ministry of Education and Research No. 3184/ 07 Feb 2005; Thesis: *The Use of Lasers in Periodontium Disorders* "Victor Babeş" University of Medicine and Pharmacy Timișoara, Romania
2000	Consultant in General Dentistry – confirmed by OMS order No. 727/ 7 Sept 2000 Ministry of Health, Romania
1997	Summer School: „The Assessment of Risks in case of Laser Radiation Exposure. Protection Measures According to the European Regulations", The National Institute for Research and Development in Lasers Physics, Plasma and Radiation, 1997 The National Institute of Lasers Physics, Plasma and Radiation (INFLPR), Măgurele, Bucharest, Romania
1995	Specialist Doctor in General Dentistry – confirmed by OMS order No. 2393/ 1995 Ministry of Health, Romania
1992 - 1995	Resident Doctor – specialization: General Dentistry Polyclinic No. 3, Municipal Clinic Hospital Timişoara and the Ministry of Education, Timișoara, Romania
Sept 1987 - Sept 1992	Degree of Medical Doctor, specialization: Dentistry, No. 387/ 12 Oct 1992 University of Medicine and Pharmacy Timișoara, Faculty of Dentistry, Timișoara, Romania
1982 - 1986	Baccalaureate Diploma, No. 23/ 28 Jun 1986 "Traian" Mathematics-Physics High-school, Chemistry-Biology major, Drobeta Turnu-Severin, Romania

PERSONAL SKILLS

Mother tongue(s): Romanian

Foreign language(s)

	COMPREHENSION		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

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

Communication Skills

- good communication skills acquired as a result of course teaching and oral presentations of various research papers in multiple specialized academic events in the country and abroad
- excellent interaction abilities due to continuous academic activity sustained during stages and practical works to students of different years (2nd, 4th, 5th and 6th), as well as to the medical activity with patients
- diagnostic skills: initial medical interview, risk level assessment, psycho-diagnostic, case definition in psychotherapy
- relational skills: create, maintain and develop the therapeutic connection and the therapeutic relationship; clear communication; expression of empathy and understanding; management of the transformation process

Organizational Skills

- experienced in organizing the medical activity in the medical practice, along the 22 years of medical activity (01 Dec 1998 - present), prompt reactions in emergency situations
- organizing the training activity as part of the practical works with the students
- planning the therapeutic activity in the case of the oral rehabilitation patient: decision concerning the treatment plan, adaptation of the therapeutic necessities to the patient's needs, monitoring the evolution of the dental treatment until its finalization
- member in the organizational committee in 10 international scientific events of lasers in medicine: 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2018, 2023, 2025
- good experience of team and project management, as a result of being Project Manager in CNCSIS PN II IDEI subsidized contract No. 1190/19 Jan 2009

Skills acquired on the job

Social skills: prosocial conduct, good initiation and reception of communication, responsibility, adjustability, enthusiasm.

Communication ability skilled during academic courses and oral communications in various scientific academic events.

Team spirit and excellent ability to collaborate with colleagues from all specializations, both in teaching and scientific research fields.

Technical skills and aptitudes: good knowledge of the entire medical instruments and of the medical equipment used in dental medicine.

Computer Skills

Self-assessment				
Information processing	Communication	Content creation	Security	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Computer skills – Self-assessment grid

Certificate No. 2185/22 Feb 2001 - Windows, Microsoft Office, Archiving techniques, Devirusing techniques, Networks, Internet – Theoretical and practical course, graduated from ELINF Timişoara, Romania

DIDACTIC, SCIENTIFIC AND RESEARCH ACTIVITY

TITLE OF THE DOCTORAL THESIS: The Use of Lasers in Periodontal Diseases

- Coordinator: Prof.univ.dr. Dorin Bratu
- Presented in November 2004
- Doctoral Degree in Dental Medicine, no. 239 of 09.06. 2005, based on the Order of the Ministry of Education and Research no. 3184 of 07.02.2005

COURSES, BOOKS AND BOOK CHAPTERS

COURSES BY LITO UMFT

First author:

- **Mariana-Ioana Miron.** *Methodology of medical scientific research* Lito UMFT, 2004
- **Co-author:** Carmen Colojoara, Mariana Miron. *Oral Rehabilitation: Basic Principles of Patient Assessment, Diagnosis, and Treatment Planning*, Lito UMFT, 2000
- **Collaborator:** Carmen Colojoara, Mariana Miron, Alexandra Peptan. *Oral Rehabilitation and Dental Emergencies Course, Vol. I: At-Risk Patients in Dental Practice*, Lito UMFT, 2001

COURSES AT Victor Babeș Publishing House, Timișoara

Printed format

Co-author:

- Carmen Todea, Daliana Emanuela Bojoga, Edmond Ciora, Mihaela Cirdei, George Dumitru Constantin, Elena Hanigovski, Ruxandra Elena Luca, **Mariana Ioana Miron**, Ioana Ruxandra Munteanu. *Emergency Management in Dentistry,* Revised Edition, Victor Babeș Publishing House, Timișoara, **2021**, ISBN 978-606-786-255-3
- Carmen Todea, Daliana Emanuela Bojoga, Edmond Ciora, Mihaela Cirdei, George Dumitru Constantin, Elena Hanigovski, Ruxandra Elena Luca, **Mariana Ioana Miron**, Ioana Ruxandra Munteanu. *Emergencies in dental medicine*, Victor Babeș Publishing House, Timișoara, **2021**, ISBN 978-606-786-254-6

E-book format

Co-author/ Collaborator:

- Carmen Todea, **Mariana Miron**, Cosmin Bălăbuc. *Oral Rehabilitation: From Simple to Complex. BASIC PRINCIPLES IN ORAL REHABILITATION; TREATMENT CONCEPTS IN COMPLEX ORAL REHABILITATION, vol.I*, UMFT, **2018**, ISBN general 978-606-786-072-6, ISBN vol.I 978-606-786-071-9
- Carmen Todea, **Mariana Miron**, Cosmin Bălăbuc. *Oral Reahabilitation: from simple to complex. BASIC PRINCIPLES IN ORAL REHABILITATION*, *vol.I*, UMFT, **2018**, ISBN general 978-606-786-072-6, ISBN vol.I 978-606-786-071-9
- Carmen Todea, Adina Ionac, Alina Popescu, **Mariana Miron**. *Management of Patients with Medical Risk in Dental Practice,* UMFT, **2012**, ISBN 978-606-8054-67-4
- Carmen Todea, **Mariana Miron**, Silvana Cânjău, Cosmin Bălăbuc. *Oral Reahabilitation: From Simple To Complex. BASIC PRINCIPLES IN ORAL REHABILITATION, vol.I*, UMFT, **2012**, ISBN general 978-606-8054-76-6, ISBN vol.I 978-606-8054-77-3

BOOKS, BOOKS CHAPTERS , PUBLISHED IN NATIONAL AND INTERNATIONAL PUBLISHERS

First author:

- **Miron**, Ion Grozav, Carmen Todea. *Fundamental Concepts of Medical Scientific Research Methodology,* Marineasa Publishing House, Timişoara, **2004** ISBN 973-631-189-9
- **Mariana Miron**, Carmen Todea. *Selected Pages from the History of Dentistry,* Brumar Publishing House, Timişoara, **2005** ISBN 973-602-077-0

Co-author:

- Ruxandra Elena Luca, Roxana Ioana Munteanu, **Mariana Ioana Miron**, Alexandra Roi and Ciprian Ioan Roi. Dental Caries - From Prevention to RestorationChapter 5. Advanced laser application for dental caries management 2025/9/29, IntechOpen, Published-19 November **2025** Print ISBN 978-1-83635-641-7 ISBN 978-1-83635-642-4 DOI: 10.5772/intechopen.1012234 https://www.intechopen.com/chapters/1228296
- Carmen Todea, Silvana Cânjău, **Mariana Miron**, Bogdan Vitez and Gheorghe Nodiți. *Chapter 9, Laser Doppler Flowmetry Evaluation of the Microcirculation in Dentistry* in Microcirculation Revisited - From Molecules to Clinical Practice, Edited by Helena Lenasi, ISBN 978-953-51-2731-4, Print ISBN 978-953-51-2730-7, Publisher InTech, Chapters published October 26, **2016**, pp. 203–230 http://dx.doi.org/10.5772/64926 https://www.intechopen.com/chapters/52165
- Carmen Colojoara, Cristina Borţun, **Mariana Miron**. *Gerodontology (Geriatric Dentistry)*, DA&FSPIRIT Publishing House, **1999** ISBN 973-98535-2-8
- Carmen Colojoara, **Mariana Miron**, Marius Leretter. *Lasers in Dentistry: Current Trends and Future Perspectives*, DA&F SPIRIT Publishing House, **1998** ISBN 973-98535-0-1

Contributor:

- Carmen Todea, **Mariana Miron**, Cosmin Bălăbuc, Anca Vâlceanu, Adelina Chevereșan, Adrian Petre, Laura Filip, Daniela Schinteie. *Emergency Management in Dental Medicine*,Brumar Publishing House, **2004** ISBN 973-602-037-1

ARTICLES PUBLISHED IN EXTENSO IN ISI-QUOTED JOURNALS WITH IMPACT FACTOR

Main author

1. Ilincar N, Bolchis V, **Miron M-I***, Olari A. I. Dumitrescu R., Lacatusu R., Jumanca D., & Galuscan A. Methodological Heterogeneity in Profilometric Assessment of Experimentally Demineralized Enamel as a Model of White Spot Lesions: A Systematic Review. *J Funct Biomater*. 2026;17(9):429. Published **2026** Aug 25. doi:10.3390/jfb17090429
2. 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. 7:1812621, **2026** doi: 10.3389/fdmed.2026.1812621
3. 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. DOI: 10.3390/medicina61071189 PMCID: PMC12300924 IF 2,4 Q1
4. 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. PMCID: PMC12735047 DOI: 10.3390/medicina61122157 IF 2,4 Q1
5. Ciora ED, **Miron MI***, Igna A, Miron AG, Roi CI, Riviș M. A rare case of chronic genian fistula with oral mucosal hair follicle inclusion: case report and review of the literature. Front Oral Health. **2025** Nov 5;6:1714875. doi: 10.3389/froh.2025.1714875. Erratum in: Front Oral Health. 2026 Jan 06;6:1768742. PMCID: PMC12627044 DOI: 10.3389/froh.2025.1714875

6. Ciora E, **Miron M***, Lungeanu D, Igna A, Jivanescu A. Analysis of the Pulpal Blood Flow Microdynamics during Prosthetic Tooth Preparation Using Diamond Burs with Different Degrees of Wear. Dent J . **2024** Jun 7;12(6):178. doi: 10.3390/dj12060178. PMID: 38920879; PMCID: PMC11202490. **IF 2.6** https://pubmed.ncbi.nlm.nih.gov/38920879/

7. Ciora E, **Miron M***, Bojoga D, Lungeanu D, Jivanescu A. Evaluation of the Pulp Chamber Temperature during Tooth Veneer Preparation Using Burs with Different Degrees of Wear-A Preliminary In Vitro Study. Dent J. **2023** Aug 15;11(8):197. doi: 10.3390/dj11080197. PMID: 37623293; PMCID: PMC10453045. **IF 2.5** https://pubmed.ncbi.nlm.nih.gov/37623293/

8. Mocuta D-E, **Miron MI***, Lungeanu D, Mateas M, Ogodescu E, Todea CD. Laser Er:YAG-Assisted Debonding May Be a Viable Alternative to the Conventional Method for Monocrystalline Ceramic Brackets. *Int. J. Environ. Res. Public Health* **2022**, *19*(21):14564; EISSN 1660-4601 https://doi.org/10.3390/ijerph192114564 https://pubmed.ncbi.nlm.nih.gov/36361441/ **IF 4.614**

9. Cosoroabă RM, Gaje NP, Ceauşu AR, Dumitru CŞ, Todor L, Popovici RA, Porumb A, Domocoş D, **Miron MI**. The mast cell reaction in premalignant and malignant lesions of the head and neck. *Rom J Morphol Embryol* **2022**, 63(2):407-411. PMID: 36374145 ISSN (print) 1220–0522, ISSN (online) 2066–8279 DOI: 10.47162/RJME.63.2.11 https://pubmed.ncbi.nlm.nih.gov/36374145/ **IF 0.833**

10. **Miron MI**, Florea CT, Lungeanu D, Todea CD. Diagnostic Aspects of an Included Third Molar in an 88-Year-Old Patient: A Case Report and Literature Review. *Diagnostics* **2022**, *12*(9):2082; EISSN 2075-4418 https://doi.org/10.3390/diagnostics12092082 **IF 3.992**

11. Igna A*, Igna C, **Miron MI***, Schuszler L, Dascălu R, Moldovan M, Voicu AA, Todea CD, Boariu M, Mârțu MA, Stratul ȘI. Assessment of Pulpal Status in Primary Teeth Following Direct Pulp Capping in an Experimental Canine Model. *Diagnostics* **2022**, *12*(8):2022; PMID: 36010372; PMCID: PMC9407383. https://doi.org/10.3390/diagnostics12082022 **IF 3.992**

12. **Miron MI,** Barcutean M, Luca RE, Todea CD, 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(8):1830. PMID: 36010181; PMCID: PMC9406728 https://doi.org/10.3390/diagnostics12081830 **IF 3.992**

13. Ogodescu E, Popa M, Isac C, Pinosanu R, Olaru D, Cismas A, Tudor A, **Miron M.** Eruption Timing and Sequence of Primary Teeth in a Sample of Romanian Children. *Diagnostics* **2022**, *12*(3), 606; PMID: 35328159; https://doi.org/10.3390/diagnostics12030606 **IF 3.992**

14. Bonta DF, Tofan SA, Todor L*, **Miron M***, Talpos CI, Cosoroaba RM, Borcan F, Popovici RA. In vitro Study on Mechanical Properties of Polyacid-modified Composite Resins (Compomers). Mater. Plast.[internet]. 2022 Jan; 59(1):90-98 ISSN:0025-5289, eISSN:2668-8220 https://doi.org/10.37358/MP.22.1.5562 **IF 0.782**

15. Mocuta Bojoga DE, **Miron MI*,** Hogea E, Muntean C, Todea DC. Dental-Plaque Decontamination around Dental Brackets Using Antimicrobial Photodynamic Therapy: An In Vitro Study. *Int. J. Environ. Res. Public Health* **2021**, *18*(23):12847; PMID: 34886573 https://doi.org/10.3390/ijerph182312847 **IF 3.390**

16. Niculescu Talpoş IC, Rumel RC, Scurtu AD, Dinu S*, **Miron MI*,** Preduţ AD, Cosoroabă RM, Popovici RA, Raica M. Oral squamous cell carcinomas: A histopathological review of multiple cases from Western Romania, *Rom J Morphol Embryol* **2021**, 62(4):929-937 PMID: 35673812 PMCID: PMC9289717 ISSN (print) 1220–0522, ISSN (online) 2066–8279 DOI: 10.47162/rjme.62.4.05 https://pubmed.ncbi.nlm.nih.gov/35673812/ **IF 0.833**

17. **Miron M**, Lungeanu D, Ciora E, Ogodescu E, Todea C. Using Laser-Doppler Flowmetry to Evaluate the Therapeutic Response in Dentin Hypersensitivity. *Int. J. Environ. Res. Public Health* **2020**, *17*(23):8787; PMID: 33256192; PMCID: PMC7731012. **IF 3.390** https://doi.org/10.3390/ijerph17238787

18. **Miron MI**, Dodenciu D, Sarbescu P, Silvana Canjau S, Ardelean L, Rusu LC, Todea C. Condensation Silicones And Light - Curing Resin Used Within A Laser Doppler Pulp Vitality Testing Method. *Mater. Plast*., Year **2012**, Volume 49, Issue 3, ISSN Print 0025-5289, ISSN Online 2668-8220 https://www.revmaterialeplastice.ro/Articles.asp?ID=3399 **IF 0.379**

Co-author

1. Lupita C, Bojoga DE, Del Vecchio A, Stoia DI, Grozav I, **Miron MI**, Todea DC. Photon-Induced Photo-Acoustic Streaming vs. Shock Wave-Enhanced Emission Photo-Acoustic Streaming-The Effect of Three Final Irrigation Protocols on the Bond Strength of an Individually Formed Fiber Post. Dent J (Basel). **2024** Jul 26;12(8):237. doi: 10.3390/dj12080237. PMID: 39195081; PMCID: PMC11353927. https://pubmed.ncbi.nlm.nih.gov/39195081/ **IF 2.5**

2. Ogodescu E, Popa M, Luca M, Igna A, **Miron M**, Martha K, Tudor A, Todea C. Updating Standards of Facial Growth in Romanian Children and Adolescents Using the Anthropometric Method-A Pilot Study. Int J Environ Res Public Health. **2021** May 16;18(10):5288. PMID: 34065693; PMCID: PMC8156684 https://doi.org/10.3390/ijerph18105288 **IF 3.39**

3. Todea DCM, Luca RE, Bălăbuc CA, **Miron MI**, Locovei C, Mocuţa DE. Scanning electron microscopy evaluation of the root canal morphology after Er:YAG laser irradiation. Rom J Morphol Embryol. **2018**;59(1):269-275. PMID: 29940637 https://pubmed.ncbi.nlm.nih.gov/29940637/ **IF 1.5**

4. Tanasescu RN, Fulias A, Ledeti I, **Miron M.I**, Matusz P. Evaluation of Mineral Composition in the Area of the Cortical Osteoporotic Bone: a Fourier Transform Infrared Spectroscopy (FTIR) and Scanning Electronic Microscopy (SEM) Study, REV CHIM BUCHAREST vol.66, No.12, **2015**, pp.2047–2050, ISSN 0034-7752, https://revistadechimie.ro/Articles.asp?ID=4770 **IF 0.956**

ARTICLES PUBLISHED IN EXTENSO IN JOURNALS INDEXED ISI WEB OF SCIENCE WITHOUT IF

Main author

1. Ciora E, **Miron M***, Todea C, Jivănescu A. Digitally Designed And Manufactured Laser Doppler Probe Holder For Tooth Vitality Assesment – A Preliminary Study For A Novel Technique, Romanian Journal of Oral Rehabilitation Vol. 13, No.4 October-December **2021**, ISSN 2066-7000, ISSN-L 2601-4661 https://www.rjor.ro/digitally-designed-and-manufactured-laser-doppler-probe-holder-for-tooth-vitality-assesment-a-preliminary-study-for-a-novel-technique/
2. Ciora E, **Miron M***, Romanec C, Ogodescu A. Mechanical Vibration Application and Low-Level Laser Therapy to Accelerate Orthodontic Tooth Movement - An Overview, Med.Surg. J. –Rev. Med. Chir. Soc.Med.Nat., Iaşi, **2019**,vol. 123, no.3, 27.09,pp. 513 – 522, ISSN-L: 2286-2560, ISSN online: 2286-2560, ISSN print: 0048-7848 https://www.revmedchir.ro/index.php/revmedchir/article/view/1868
3. Todea Colojoară C, **Miron M**. Comparative study of two treatment procedures in periodontits: Nd:YAG laser with biodegradable chlorhexidine chip (CHX) and manual curettage with CHX, Journal: International Congress Series, vol. 1248, pp. 347-351, **2003**, DOI: 10.1016/S0531-5131(02)01293-1 Elsevier Health Science, ISBN/EAN:978-0-444-51163-8 http://www.sciencedirect.com/science/article/pii/S0531513102012931

4. Colojoara C, Mavrantoni A, **Miron M**. Clinical and bacteriological study of the effect of Nd:YAG laser in gingivitis therapy. PROGRESS IN BIOMEDICAL OPTICS AND IMAGING. Vol.1, No.37, ISSN 1605-7422, Proceedings of SPIE (The International Society for Optical Engineering) Volume: 4166, **1999/2000**, pp.233-244, ISBN: 9780819438225 http://spie.org/x648.html?product_id=389492

Co-author

1. Carmen Todea, Silvana Cânjău, **Mariana Miron**, Bogdan Vitez and Gheorghe Nodiți. *Chapter 9, Laser Doppler Flowmetry Evaluation of the Microcirculation in Dentistry* in Microcirculation Revisited - From Molecules to Clinical Practice, Edited by Helena Lenasi, ISBN 978-953-51-2731-4, Print ISBN 978-953-51-2730-7, Publisher InTech, Chapters published October 26, **2016**, pp. 203–230 http://dx.doi.org/10.5772/64926 https://www.intechopen.com/chapters/52165
2. Petre L.C., **Miron M.I.,** Ianes E. Laser Doppler flowmetry: an early diagnosis instrument in detecting the soft tissue changes that occur during radiotherapy to the head and neck area, clinical case report, Proc. SPIE 9670, Sixth International Conference on Lasers in Medicine, 96700E (22 March **2016**); https://doi.org/10.1117/12.2191426 http://spie.org/Publications/Proceedings/Paper/10.1117/12.2191426
3. Canjau S., **Miron M.I.,** Todea C.D., Assesment of gingival microcirculation in anterior teeth using laser Doppler flowmetry, Proc. SPIE 9670, Sixth International Conference on Lasers in Medicine, 96700C (22 March **2016**); https://doi.org/10.1117/12.2190371 https://spie.org/Publications/Proceedings/Paper/10.1117/12.2190371?SSO=1
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WORKS PUBLISHED IN ABSTRACTS IN THE VOLUMES OF INTERNATIONAL SCIENTIFIC CONFERENCES IN THE COUNTRY – 57

COORDINATED UNDERGRADUATE PAPERS – 15

COORDINATED MASTER'S DEGREE THESIS - 2018 - Evaluation of Dentin Hypersensitivity Treatment with Nd:YAG: Clinical Study and Laser Doppler Flowmetry (LDF)

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- Project „**RORS00267 –ORALALERT 2025**: *Equal access to innovative screening solutions for oral HPV*" 2024 - 2026
- Project **CEEX 82** - *Optimization of the Dental-Parodontal Treatments by Using Laser Technology – Multidisciplinary Tests* 2006 – 2008
- Project **CNCSIS A (A-1032)**: *Optimization of the biomechanical performance of partial prostheses by introducing a new system of maintenance, support and stability and the generation of various modern measures of hygiene and care* 2007 - 2008

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2. 3rd EDITION OF THE INTERNATIONAL CONGRESS OF LASERS IN DENTISTRY in connection with the 9th EDITION OF THE INTERNATIONAL CONFERENCE OF LASERS IN MEDICINE „A DROP OF LIGHT FOR DENTISTRY ! ", 25th – 27th May 2023, Oradea, Romania
3. 2nd INTERNATIONAL CONGRESS OF LASERS IN DENTISTRY in connection with the 8th CONFERENCE ON LASERS IN MEDICINE – LASER-THE LIGHT FOR EVERYDAY DENTISTRY, September 5th – 7th 2018, Constanța, Romania
4. 7th INTERNATIONAL CONFERENCE On LASERS IN MEDICINE in connection with INTERNATIONAL CONGRESS OF LASERS IN DENTISTRY – Advanced Laser Technologies in the Hands of medicine, July 13th –15th 2017, Timișoara, Romania
5. 5th Congress of the World Federation for Laser Dentistry-European Division and 6th International Conference of the Romanian Society for Laser in Dentistry, „High-end Medicine based on Laser and Biotechnologies", WFLD-ED 2015, May 7th – 9th, Bucharest, Romania
6. International Conference Lasers in Medicine „Biotechnologies Integrated in Daily Medicine" September 19th – 21th, 2013 Timișoara, Romania
7. 4th Edition International Conference on Lasers in Medicine Sibiu – Romania, FROM CONVENTIONAL TO LASER ASSISTED APPROACH IN DENTISTRY AND OTHER MEDICAL SPECIALITIES, 22th – 24th Sept., 2011, Sibiu
8. International Conference on Lasers in Medicine Timisoara – Romania, „New Highlights in Clinical Practice", 24-26 Sept. 2009
9. International Conference on Laser in Medicine, Timișoara – România 2nd Edition, „ Actualities and Perspectives in Laser Therapy in Dentistry and Other Medical Specialities", July 5th – 7th 2007
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