

PERSONAL INFORMATION

Lavinia Cosmina Ardelean



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Sex F | Date of birth 14/06/1968 | Nationality romanian

PERSONAL PROFILE

Professor, PhD, Head of Academic Department

WORK EXPERIENCE

2008–present Professor
2004–2008 Associate professor
2002–2004 Lecturer
1995–2002 Assistant
1992–1995 Junior assistant
“Victor Babes” University of Medicine and Pharmacy, Timisoara, Romania
2 Eftimie Murgu sq., Timisoara, Romania
Tel.: +40-256-293389, www.umft.ro
-teaching, scientific activity, coordinate educational and scientific activities
-education

EDUCATION AND TRAINING

2011 Trainor competence
2008 Professor (university)
2006 Senior physician-dento-alveolar surgery
2004 Competence in dental prophylaxis
2001 Senior physician-general dentistry
2000 PhD
1991 DDS

PERSONAL SKILLS

Mother tongue(s) Romanian

Other language(s)

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Communication skills -good communication skills gained through teaching experience and attending scientific meetings

Organisational / managerial skills -coordinate educational and scientific activities, leadership (head of academic department, congress president)

Job-related skills

- creativity and innovation
- efficient communicating
- planning and organizing, based on the previous experience due to the following activities:

-scientific reviewer in the field of dental medicine (over 300 WOS verified reviews)

-guest editor of 12 Special Issues in WOS indexed journals (Polymers, Materials, Coatings, Journal of Functional Biomaterials, Scanning)

-academic editor of 10 books: „Oral Health Care- An Important Issue of the Modern Society”, IntechOpen, London; “Advanced Materials for Oral Application”, MDPI, Basel; “Dental Caries- The Selection of Restoration Methods and Restorative Materials, IntechOpen, London; “Human Teeth – From Function to Esthetics”, IntechOpen, London; “Advances in Dentures-Prosthetic Solutions, Materials and Technologies”, IntechOpen, London; “Enamel and Dentin-Pulp Complex”, IntechOpen, London; “Advanced Biomaterials and Biotechnology: Applications in Dental Medicine”, MDPI, Basel; “Advanced Materials for Oral Application (Volume II)”, MDPI, Basel; “Advanced Biomaterials, Coatings and Techniques: Applications in Medicine and Dentistry”, MDPI, Basel; “Dentures - Present State-of-the-Art and Future Perspectives”, IntechOpen, London

-member in the editorial/topic/reviewer board/academic editor of 11 journals (7 WOS indexed)

-3 patents

-president of International Congress “Interdisciplinarity in Present Dental Medicine”, Timisoara, 2008; International Congress “Timmedica”, 4th edition, Timisoara, 2011

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
basic	basic	basic	basic	basic

Other skills -dentistry

Driving licence B

ADDITIONAL INFORMATION

Publications	-20 books and 16 chapters in books
Presentations	-10 edited books
Projects	-90 scientific articles published in WOS indexed journals, 16 scientific articles published in
Conferences	IDB indexed journals
Honours and awards	-5 projects
Citations	-6 conferences
Certifications	-82 presentations
	-13 CNCSIS awards (awarded papers)
	-4 international awards: Top reviewers in Cross-Field award 2019, Top reviewers in Materials Science award 2019, 2025 Springer Nature Editorial Contribution Award, 2025 Springer Nature Author Service Award
	-641 citations (WOS)
	-h-index: 13 (WOS)

ANNEXES

List of most relevant articles, published in journals with an impact factor, listed on WOS (last 7 years):

1. Muntean, I.; Rusu, L.-C.; Ardelean, L.C.; Tigmeanu, C.V.; Roi, A.; Dinu, S.; Mirea, A.A. The Antibacterial Effect of Eight Selected Essential Oils Against *Streptococcus mutans*: An In Vitro Pilot Study. *Oral* **2025**, *5*, x. <https://doi.org/10.3390/xxxxx>
2. Rusu, L.C.; Beschiu, L.M.; Iacob, F.; Zaharia, C.; Neuwirth, K.; Bulut, O.; Ardelean, L.C. A morphometric anthropometric analysis of the upper lip in adult Western Romanian population- a retrospective study. *Scientific Reports* **2025**, *15*, 18487. <https://doi.org/10.1038/s41598-025-01204-x>
3. Rusu, L.C.; Ardelean, L.C. Advanced Materials for Oral Application (Volume 2), *Materials* **2025**, *18*, 1042. <https://doi.org/10.3390/ma18051042>
4. Iacob F., Ardelean L.C., Roi A., Tomoiaga I., Muntean D., Rusu L.-C. Assessment of the Antifungal Effect of Camellia sinensis Extracts on Candida albicans and Candida parapsilosis Strains-An in vitro Study. *Phcog. Res.* **2025**, *17*, 70-77. <https://doi.org/10.5530/pres.20251913>
5. de Carvalho Formiga, M.; Fuller, R.; Ardelean, L.C.; Shibli, J.A. Immediate Loading Full-Arch 3D-Printed Implant-Supported Fixed Rehabilitation: A Case Report with 24-Month Follow-Up. *Medicina* **2024**, *60*, 1614. <https://doi.org/10.3390/medicina60101614>
6. Stoian, C.; Pop, D.M.; Manole, M.; Ardelean, L.C.; Caplar, B.D.; Togoie, M.M.; Stoian, A.D.; Sinescu, C.; Negruțiu, M.L.; Romînu, M. Mechanical assessment of metal structures of dental prostheses welded via various technologies, *RJOR* **2024**, *16*, 26- 432. <https://doi.org/10.6261/RJOR.2024.1.16.40>
7. Ciurescu, C.E.; Dima, L.; Ciurescu, V.A.; Noja, G.G.; Istodor, A.V.; Moga, M.A.; Ardelean, L.C.; Rusu, L.-C.; Leretter, M.T. Laser Therapy Effects on Periodontal Status: A Randomized Study Using Gaussian Network Analysis and Structural Equation Modeling Approach. *Medicina* **2024**, *60*, 437. <https://doi.org/10.3390/medicina60030437>
8. Stoian, C.; Ardelean, L.C.; Negruțiu, M.L.; Miclau, M.; Casut, C.; Sinescu, C.; Alexandratou, A.; Katsavrias, A.; Stoian, A.D.; Rominu, M. Crystalline Structure Assessment of Ceramic Veneered Co-Cr-W Dental Alloy Substructures Obtained by Selective Laser Melting—A Pilot Study. *Appl. Sci.* **2023**, *13*, 8052. <https://doi.org/10.3390/app13148052>
9. de Carvalho Formiga, M.; da Silva, H.D.P.; Ghiraldini, B.; Siroma, R.S.; Ardelean, L.C.; Piattelli, A.; Shibli, J.A. Effects of Osseodensification on Primary Stability of Cylindrical and Conical Implants—An Ex Vivo Study. *J. Clin. Med.* **2023**, *12*, 3736. <https://doi.org/10.3390/jcm12113736>
10. Beschiu, L.M.; Ardelean, L.C.; Tigmeanu, C.V.; Rusu, L.-C. Cranial and Odontological Methods for Sex Estimation—A Scoping Review. *Medicina* **2022**, *58*, 1273. <https://doi.org/10.3390/medicina58091273>
11. Tigmeanu, C.V.; Ardelean, L.C.; Rusu, L.-C.; Negruțiu, M.-L. Additive Manufactured Polymers in Dentistry, Current State-of-the-Art and Future Perspectives - A Review. *Polymers* **2022**, *14*, 3658. <https://doi.org/10.3390/polym14173658>
12. Rusu, L.-C.; Ardelean, L.C. Advanced Materials for Oral Application. *Materials* **2022**, *15*, 4749. <https://doi.org/10.3390/ma15144749>
13. Ardelean, L.C.; Rusu, L.-C. Advanced Biomaterials, Coatings, and Techniques: Applications in Medicine and Dentistry. *Coatings* **2022**, *12*, 797. <https://doi.org/10.3390/coatings12060797>
14. Beschiu, L.M.; Craiovan, B.A.; Popa, S.; Micle, D.; Ardelean, L.C.; Rusu, L.C. An Ancient Mesiodens Investigated by Cone Beam CT. *Appl. Sci.* **2021**, *11*, 11703. <https://doi.org/10.3390/app112411703>

15. Rusu, L.-C.; Ardelean, L.C.; Tigmeanu, C.V.; Matichescu, A.; Sauciu, I.; Bratu, E.A. COVID-19 and Its Repercussions on Oral Health: A Review. *Medicina* **2021**, *57*, 1189. <https://doi.org/10.3390/medicina57111189>
16. Reclaru, L.; Ardelean, L.C. Evaluation of Passivation Process for Stainless Steel Hypotubes Used in Coronary Angioplasty Technique. *Coatings* **2021**, *11*, 448. <https://doi.org/10.3390/coatings11040448>
17. Matichescu, A.; Ardelean, L.C.; Rusu, L.-C.; Craciun, D.; Bratu, E.A.; Babucea, M.; Leretter, M. Advanced Biomaterials and Techniques for Oral Tissue Engineering and Regeneration—A Review. *Materials* **2020**, *13*, 5303. <https://doi.org/10.3390/ma13225303>
18. Reclaru, L.; Ardelean, L.C. Corrosion Susceptibility and Allergy Potential of Austenitic Stainless Steels. *Materials* **2020**, *13*, 4187. <https://doi.org/10.3390/ma13184187>
19. Rusu, L.-C.; Ardelean, L.C.; Jitariu, A.-A.; Miu, C.A.; Streian, C.G. An Insight into the Structural Diversity and Clinical Applicability of Polyurethanes in Biomedicine. *Polymers* **2020**, *12*, 1197. <https://doi.org/10.3390/polym12051197>
20. Martínez-Ojeda, R.M.; Pérez-Cárceles, M.D.; Ardelean, L.C.; Stanciu, S.G.; Bueno, H.M. Multiphoton Microscopy of Oral Tissues: Review. *Frontiers in Physics* **2020**, *8*, 128. <https://doi.org/10.3389/fphy.2020.00128>
21. Reclaru, L.; Ardelean, L.C.; Miu, C.A.; Grecu, A.F. Are Zirconia Bioceramics and Ceramics Intended to Come in Contact with Skin Inert? *Materials* **2020**, *13*, 1697. <https://doi.org/10.3390/ma13071697>
22. Ardelean, L.C. Novel Scanning Characterization Approaches for the Accurate Understanding and Successful Treatment of Oral and Maxillofacial Pathologies. *Scanning*, **2020**, *2020*, 6545823. <https://doi.org/10.1155/2020/6545823>
23. Ionescu, F.; Reclaru, L.; Ardelean, L.C.; Blatter, A. Comparative Analysis of the Corrosion Resistance of Titanium Alloys Intended to Come into Direct or Prolonged Contact with Live Tissues. *Materials* **2019**, *12*, 2841. <https://doi.org/10.3390/ma12172841>
24. Roi, A.; Ardelean, L.C.; Roi, C.I.; Boia, E.-R.; Boia, S.; Rusu, L.-C. Oral Bone Tissue Engineering: Advanced Biomaterials for Cell Adhesion, Proliferation and Differentiation. *Materials* **2019**, *12*, 2296. <https://doi.org/10.3390/ma12142296>
25. Grecu, A.F.; Reclaru, L.; Ardelean, L.C.; Nica, O.; Ciucă, E.M.; Ciurea, M.E. Platelet-Rich Fibrin and Its Emerging Therapeutic Benefits for Musculoskeletal Injury Treatment. *Medicina* **2019**, *55*, 141. <https://doi.org/10.3390/medicina55050141>
26. Ziegenhagen, R.; Reclaru, L.; Ardelean, L.C.; Grecu, A.F. Corrosion Resistance of Stainless Steels Intended to Come into Direct or Prolonged Contact with the Skin. *Materials* **2019**, *12*, 987. <https://doi.org/10.3390/ma12060987>

