

INFORMAȚII PERSONALE



Curriculum Vitae Pop Daniela Maria



✉ pop.daniela@umft.ro



Sexul Feminin | Data nașterii | Naționalitatea Română
Starea civilă Căsătorita | Copii 2

EXPERIENȚA PROFESIONALĂ 2015 - PREZENT

Șef Lucrări Disciplina de Propedeutica si Materiale
Universitatea de Medicină și Farmacie "Victor Babeș" din Timișoara, Facultatea de
Medicină Dentară
Tipul sau sectorul de activitate Învățământ / Educație / Medicina

2015- PREZENT

Șef Lucrări

2006-2015

Asistent Universitar Disciplina de Propedeutica si Materiale Dentare

2003-2006

Medic Specialist Stomatolog Practica privata, Plata cu ora in cadrul UMF „Victor Babes
Timisoara

2001-2003

Medic Rezident Stomatologie Generala

2000-2001

Medic Rezident Stomatologie Generala

EDUCAȚIE ȘI FORMARE

2014

Curs De Psihopedagogie Modul Didactic I, II

2012

Medic specialist Protetica dentara

2012

Doctorat

UMF "Victor Babeș", Facultatea de Medicină Dentară , Timișoara

2009

Atestat in implantologie orala

2008

Medic Primar Stomatologie generala

1993-1999

Medic stomatolog

UMF "Victor Babeș", Facultatea de Medicină Dentară , Timișoara

Competențe de comunicare

- Participare la congrese naționale și internaționale
- Sustinere comunicări orale:
- **Pop Daniela Maria**, Craciunescu Emanuela Lidia, Sinescu Cosmin, Topală Florin Ionel, Meda Lavinia Negruțiu. Investigații noninvazive a protezelor dentare realizate din rășini diacrilice compozite armate cu EG Fiber. International Seminar on Biomaterials and Regenerativ Medicine. ISSN 2457-7758, ISSN 2457-7758 Bioremed Oradea 2015 (premiul I)
- **Pop D.**, Topala FI, Antonie S, Sinescu C, Negrutiu ML, Rominu M, Bratu D, Podoleanu AGh, Selective Laser Sintering - Selective Laser Melting - a Close-up on Dental Applications, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Supl.1, 2011
- **Pop D.**, Sinescu C., Negrutiu M., Petrescu E., Rominu R.O., Stoia A.E., Enescu M., Rominu M., Metalographic investigations of titanium sincristalisation, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, www.congresys.ro, 2009 (premiul I)
- **Pop D.M.**, Dodenciu D., Sinescu C., Negruțiu M.L., Topală F.I., Petrescu EL, Romînu R.O., Stoia A.E., Romînu M, Biophysical investigations of different types of weldings in dental technology, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
- **Pop DM**, Sinescu C., Negruțiu M.L., Petrescu E., Romînu RO, Topală F., Enescu M., Șoicu A, Romînu M, Hardness evaluation of dental metallic materials joined by sincristallization, International Conference „Biomaterials, Tissue Engeneering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, www.srb.ro, sept 2010
- **Pop DM**, Sinescu C, Negruțiu ML, Romînu RO, Petrescu EL, Stoia AE, Topală F, Romînu M, The investigation of the hardness of different dental alloys welded by sincristallization, Milenium III Medicine, The International Congress of Medical Days in Banat, 15th edition, Timișoara 18 - 22 Mai 2010, TMJ, vol.60, supl.1, mai 2010
- **Pop D.**, Negrutiu M., Sinescu C., Topală F., Gliță I., Cozarov D., Romînu M., Investigation and evaluation of laser weldings compared to electrical weldings of various dental alloys, International Conferences on Lasers in Medicine, 3rd Edition. ”New Highlights in Clinical Practice”, Timișoara Medical Journal, vol 59, supl.3, pg.48, ISSN 1583 – 5251, 2009
- **Pop D. M.**, Leretter M., Sinescu C., Negrutiu M.L., Petrescu E.L., Stoia A.E., Haiduc C., Rominu M., Aplicațiile sincristalizării în solidarizarea protezelor parțiale fixe, 14th International Symposium The Medical Days in Banat, Timișoara Medical Journal, vol 59, supl.2, pg.44-45, ISSN 1583 – 5251, 2009
- **Pop D.M.**, Rominu M., Leretter M., Sinescu C., Negruțiu M.L., Petrescu E.L, Haiduc C., Stoia A.E., Alternative technological aspects of welding in dentistry. Conventional and non-conventional therapies involved in rising life quality, 11th Edition of Academic Days Timisoara, 2009 Timișoara Medical Journal, vol 59, supl.1, pg.116, ISSN 1583 – 5251, 2009
- **Pop D. M.**, Leretter M., Sinescu C., Negrutiu M.L., Petrescu E.L., Stoia A.E., Haiduc C., Rominu M., Aplicațiile sincristalizării în solidarizarea protezelor parțiale fixe, 14th International Symposium The Medical Days in Banat, Timișoara Medical Journal, vol 59, supl.2, pg.44-45, ISSN 1583 – 5251, 2009
- **Pop D.**, Rominu M, Sinescu C, Negrutiu ML, Haiduc C, Rominu R, Stoia A, Viruzab N, Groza C, Aspecte tehnologice în depunerea electroforetica a aluminei pentru realizarea coroanelor integral ceramice utilizand sistmul Wol-Ceram, The Medical Days in Banat, 3rd Milenium Medicine Editia a 13-a Timisoara, 2008
- **Pop D.** Leretter M, Negrutiu M, Sinescu C, Rominu M, Curtean AM, Immediat welding procedure in dental technology: syncrystallization method, International Conference „Biomaterials and Medical Devices”, BiomMedD’2008, Bucharest, 2008

Curriculum Vitae

- **Pop D.** Negrutiu M, Sinescu C, Rominu M, Ciocan G, Defectoscopic methods for laser welded fixed partial dentures investigation, International Conference „ Biomaterials and Medical Devices”, BiomMed’2008, Bucharest, 2008
- International Conference on Laser in Medicine, Timisoara, Romania, 2nd Edition, Actualities and Perspectives in Laser Therapy in Dentistry and Oral Medical Specialities, July 5th - 7th, 2007, Quintessence International Romania, ISBN 978-973-0-05074-5, 54, July 2007
- **Pop D.**, Sinescu C., Negrutiu M., Petrescu E., Rominu R.O., Stoia A.E., Enescu M., Rominu M., Metalographic investigations of titanium sincristalisation, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, www.congresys.ro, 2009
- **Pop D.M.**, Sinescu C., Negrutiu M.L., Petrescu E.L., Curtean A.M., Rominu M., Numerical investigation and prognostic of soldered areas in dental medicine, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, Ed.Politehnica, pg.192-197, 1843-0902, 2009
- **Pop DM.** Sinescu C, Negruțiu ML, Romînu RO, Petrescu EL, Stoia AE, Topală F, Enescu M, Romînu M, Hardness Evaluation of Dental Alloyss Joined by Syncrystalization, Proceedings of the XIIth International Symposium "Young People and Multidisciplinary Research", 11-12.11.2010, Timișoara Editura Politehnica, Timișoara, pg.140-144, 1843-6609, nov 2010
- **Pop DM** Negruțiu M., Sinescu C., Demian C., Todea C., Romînu M., Filip L., Different types of laser welding in dental technology, Timisoara Medical Journal, vol. 57, nr. 2-3, pg. 184-186, ISSM 1583-5251,CNCSIS categoria B 2007

Competențe organizaționale/manageriale

- Organizator Congres Actualities and Perspectives in Laser Therapy in Dentistry and Oral Medical Specialities, July 5th - 7th, 2007

Competențe informatice

- cunoaștere a instrumentelor Microsoft Office™
- cunoaștere a instrumentelor Windows

Alte competențe

- Spirit de echipă

Limba maternă Română

Alte limbi străine cunoscute

	INTELEGERE		VORBIRE		SCRIERE
	Ascultare	Citire	Participare la conversație	Discurs oral	
Engleză	Independent	Independent	Independent	Independent	Independent

Permis de conducere

Categoria
▪ B

COMPETENTE PERSONALE

A doua specialitate – Protetica dentara 2012
 Atestat în implantologie orală din 2009
 Medic primar stomatolog din 2008
 Activități de cercetare în domeniul tehnologiei protezelor.
 Membru al Societății Române de Biomateriale, Asociației pentru Cercetare Multidisciplinara Din Zona De Vest A Romaniei, Societății Române de Laseri în Stomatologie

INFORMATII SUPLIMENTARE

Publicații

Proiecte

- Coautor al următoarelor carti:
- Sinescu Cosmin, Alin Gabriel Gabor, Cristian Zaharia, Emanuela Lidia Craciunescu, **Daniela Maria Pop**, Silvana Cănjău, Anca Jivanescu, Meda Lavinia Negruțiu. Sisteme CAD-CAM utilizate în medicina dentară. Ed. Eurobit Timișoara 2015 ISBN 978-973-132-210-0.
- Sinescu Cosmin, Alexandra Măroiu, Emanuela Lidia Craciunescu, **Daniela Maria Pop**, Adelina Elena Stoia, Meda Lavinia Negruțiu. Tehnici de albire a dinților. Ed. Eurobit Timișoara 2014 ISBN978-973-132-196-7
- Negruțiu Meda Lavinia, C. Sinescu, E.L. Petrescu, **DM Pop**, FI Topală. Dental prostheses Technology Single unit resturation. Ed. Eurobit Publish House, Timișoara 2013. ISBN 978-973-132-073-1
- RO Rominu, M Rominu, M Negrutiu, C Sinescu, **DM Pop**, E Petrescu. Adeziunea amelara. Curs pentru studentii Facultatii de Medicina Dentara. Ed. Victor Babes, Timisoara 2011.
- L Sandu, C Bortun, **D Pop**, M Negrutiu. Tehnologia restaurarilor protetice fixe unidentare. Indreptar de lucrari practice. Lito UMF "Victor Babeș" Timișoara, 2006
- Meda-Lavinia Negruțiu, Cosmin Sinescu, Marius Leretter, Sorin Lakatos, Mihai Romînu, Liliana Sandu, Zeno Florița, **Daniela Pop**, Adelina Stoia, Tehnologia protezelor dentare (vol. 1). Proteze unidentare, Curs Lito UMF "Victor Babeș" Timișoara, 2005.
- Meda-Lavinia Negruțiu, Cosmin Sinescu, Marius Leretter, Sorin Lakatos, Mihai Romînu, Liliana Sandu, Zeno Florița, **Daniela Pop**, Adelina Stoia, Tehnologia protezelor dentare (vol. 1). Proteze unidentare, Curs Lito UMF "Victor Babeș" Timișoara, 2005.
- Carmen Todea, M Miron, C Bălăbuc, A Vâlceanu, A Chevereșan, L Filip, **D Schinteie**. Atitudinea de urgență în medicina dentară. Ed. Brumar, Timișoara 2003. ISBN 973-602-037-1.
- Grant CNCSIS A 1032/2007 - Optimizarea comportamentului biomecanic al protezelor parțiale prin introducerea unui nou sistem special de mentinere sprijin stabilizare și generarea unor măsuri moderne de igienizare și întreținere, Negrutiu Meda (director de proiect), Rominu Mihai, Sinescu Cosmin, Florita Zeno, **Pop Daniela**, Stoia Adelina, Rominu Roxana, Todea Carmen, Miron Marian, Soicu Sebastian, Marcauteanu Corina, 2007-2008
- Proiect internațional FP7 COST ACTION MP 1005-NAMABIO "From NAno to Macro BIOMaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine" 14 Aprilie 2011- 13 Aprilie 2015, membru în echipa României
- PNII tip IDEI ID_1264, contract nr. 200/01.10.2007, Implementarea și evaluarea procedeeilor computerizate în tehnologia protezelor dentare (2007-2010), Director proiect: Liliana Sandu, membru Pop Daniela Maria
-

ANEXE 1. Lucrari publicate si sustinute:

Articles/reviews published in ISI Journals (with Impact Factor)

1. **Pop D-M**, Romînu M, Topala FI, Sinescu C, Dodenciu D, Rominu RO, Ardelean L, Rusu LC, Andoni M, Petrescu E-L, Negrutiu ML, Laser Weldings Versus Electrical Weldings in Dental Technology A corrosion approach study , REV CHIM-BUCHAREST, 62 (12): 1203-1205, 0034-7752, dec 2011 IF-0,599
2. **Daniela Maria Pop**, Meda-Lavinia Negrutiu, Emanuela Craciunescu, Eliza Seche, Paul Cornel Freiman, Cosmin Sinescu. AFM Investigation of Metal - Composite Resin Interfaces. REV MATERIALE PLASTICE 51, No. 3, 293-295, 2014 IF 0,824/2014
3. **Daniela Maria Pop**, Meda Lavinia Negrutiu Andreea Codruța Cojocariu, Emanuela Lidia Craciunescu, Adriana Pirtea, Cosmin Sinescu, Metal Polymer Interfaces –Assessment in Dentistry, REV CHIM-BUCHAREST, 2015, 66, No.4, 2015 0,810/2014
4. Romînu M, Florita Z, Rominu RO, Sinescu C, Negrutiu ML, Petrescu EL, **Pop DM**, Enescu M, Tudor A, The Influence of Silanes on Microleakage in Class V Compomer-filled Cavities, REV CHIM-BUCHAREST, 62 (8): 849 – 852, 0034-7752, aug 2011, IF- 0,599
5. Rominu RO, Romînu M, Rusu LC, Sinescu C, Ardelean L, **Pop DM**, Petrescu EL, Negrutiu ML, The Effect of Surface Treatment on Human Enamel - a SEM/EDAX Study, REV CHIM-BUCHAREST, 62 (9): 937-940, 0034-7752, Sept 2011, IF- 0,599
6. Negrutiu ML, Sinescu C, Draganescu G, Rominu RO, Romînu M, Rusu LC, Ardelean L, **Pop DM**, Petrescu EL, Podoleanu AGh, Topala FI, Laser Microspectral Analysis for Validation of en-face OCT Imagistic Evaluation of Micro leakage between the Metallic Framework and Veneer Materials in Fixed Partial Prostheses, REV CHIM-Bucharest, 62 (12): 1185-1188, 0034-7752, Dec 2011, IF- 0,599
7. Petrescu EL, Negrutiu ML, **Pop DM**, Rominu RO, Topală FI, Fabricky M, Rusu LC, Ardelean L Rominu M, Podoleanu AG, Sinescu C, Comparative and Non-invasive Study of Two Different Ceramic Materials, REV CHIM – Bucharest 2012, vol.63, nr.2, pag.179-181, IF-0,538
8. Petrescu EL, Negrutiu ML, **Pop DM**, Rominu RO, Topală FI, Fabricky M, Rusu LC, Ardelean L Rominu M, Podoleanu AG, Sinescu C, Comparative and Non-invasive Study of Two Different Ceramic Materials, REV CHIM – Bucharest 2012, vol.63, nr.2, pag.179-181
9. M. Boariu, Luminița-Maria Nica, A. Marinescu, Ecaterina Valentina Ganea, Oana Velea, **Daniela Maria Pop**, Ioana Delia Bretean, Iuliana Elene Cîrligerie. Efficiency of Eucalyptol as Organic Solvent in Removal of Gutta-percha from Root Canal Fillings. REV CHIM – Bucharest 2015, vol 66, No. 6, pag. 907-910, IF 0,810/2014
10. Emanuela Craciunescu, Cosmin Sinescu, Meda Lavinia Negrutiu, **Daniela Maria Pop**, Hans-Christoph Lauer, Mihai Rominu, Madalin Bunoiu, Virgil Florin Duma, Iulian Antoniac. Shear Bond Strength Tests of Zirconia Veneering Ceramics after Double Burnings. Journal of Adhesion Science and Technology 2016 –In Press, IF- 1,153
11. Adrian Tudor Stan, Laura Cîrligeriu , Laura Idoras, i , Meda Lavinia Negrut,iu, Cosmin Sinescu, **Daniela Maria Pop**, Tareq Hajaj, Serban Talpos,, and Mihai Romiinu. Marginal and Internal Adaptation Evaluation of Dental Composites Using Micro-CT. Advances in Materials Science and Engineering, Volume 2019, Article ID 5010319, 6 pages <https://doi.org/10.1155/2019/5010319>

Proceedings paper published in ISI Volumes

1. Rominu R, Sinescu C, Romînu M, Negrutiu M, Petrescu E, **Pop D**, Podoleanu, AG , The assessment of orthodontic bonding defects: optical coherence tomography followed by three dimensional reconstruction, Optical Complex Systems: OCS11, Proc. of SPIE, 8172 (Art Nr 817214): 817214-1 - 817214-6, 0277-786X, Sept 2011
2. Petrescu E, Sinescu C, Negrutiu ML, **Pop D**, Rominu R, Enescu M, Romînu M, Bradu A, Dobre G, Podoleanu, AG , OCT and RX Validation of metal-ceramic crowns repaired with ceramic material, Optical Complex Systems: OCS11, Proc. of SPIE, 8172 (Art Nr 817213): 817213-1-817213-6, 0277-786X, Sept 2011
3. Negrutiu ML, Ogodescu A, Petrescu EL, Sinescu C, Topala FI, **Pop DM**, Romînu M, Draganescu Gh, Podoleanu AGh, En face OCT imagistic evaluation and laser microspectral analysis for assessing microleakage at the prosthetic

- interfaces, Recent Advances in Applied and Biomedical Informatics and Computational Engineering in Systems Applications - AIC'11, BEBI'11, Proc. of WSEAS, 441-445, 978-1-61804-028-2, aug 2011
4. Petrescu E, Negrutiu ML, Sinescu C, **Pop DM**, Romînu M, Ogodescu A, Topala F, Podoleanu AGh, OCT and SEM imagistic investigations of composite resin-IPS Empress ceramic interfaces, Recent Advances in Applied and Biomedical Informatics and Computational Engineering in Systems Applications - AIC'11, BEBI'11, Proc. of WSEAS, 431-434, 978-1-61804-028-2, aug 2011
 5. Rominu RO, Sinescu C, Negrutiu M, Petrescu E, **Pop DM**, Romînu M, Podoleanu AGh, Orthodontic Bonding of Tooth Colored Brackets from a Different Perspective - An Optical Coherence Tomography Investigation, Recent Researches in Computational Techniques, Non-Linear Systems and Control - Proc. of the 13th WSEAS Int. Conf. on MAMECTIS'11, NOLASC'11, CONTROL'11, WAMUS'11, 74-78, 978-1-61804-011-4, iul 2011
 6. Petrescu E, Negrutiu ML, Sinescu C, **Pop DM**, Rominu R, Topala F, Romînu M, Podoleanu AGh, Qualitative Study of Repaired Metal Ceramic Crowns, Recent Researches in Computational Techniques, Non-Linear Systems and Control - Proc. of the 13th WSEAS Int. Conf. on MAMECTIS'11, NOLASC'11, CONTROL'11, WAMUS'13, 295-299, 978-1-61804-011-4, iul 2011
 7. Negrutiu ML, Nica L, Sinescu C, Topala F, Ionita C, Bradu A, Petrescu EL, **Pop DM**, Romînu M, Podoleanu AG, SEM and microCT validation for en face OCT imagistic evaluation of endodontically treated human teeth, Medical Imaging 2011: Physics of Medical Imaging, Proc. of SPIE, 7961 (Art Nr 79614W): 79614W-1 - 79614W-6, 0277-786X, feb 2011
 8. Sinescu C, Negrutiu ML, Ionita C, Topala F, Petrescu E, Rominu R, **Pop DM**, Marsavina L, Negru R, Bradu A, Romînu M, Podoleanu, AG, Radiographic, microcomputer tomography, and optical coherence tomography investigations of ceramic interfaces, Optical Sensors and Biophotonics II, Proc. of SPIE-OSA-IEEE Asia Communications and Photonics, 7990 (Art Nr 79900W): 79900W-1 - 79900W-8, 0277-786X, ian 2011
 9. Rominu RO, Romînu M, Negrutiu ML, Sinescu C, **Pop D**, Petrescu E, The Effect of Different Chemical Agents on Human Enamel: An Atomic Force and Scanning Electron Microscopy Study, Optical Sensors and Biophotonics II, Proc. of SPIE-OSA-IEEE Asia Communications and Photonics, 7992 (Art Nr 79900Z): 79900Z-1 - 79900Z-6, 0277-786X, ian 2011
 10. **Pop DM**, Dodenciu D, Sinescu C, Negrutiu ML, Topala FI, Petrescu EL, Rominu RO, Stoia AE, Rominu M, Investigations of Different Types of Welding in Dental Technology, Advances in communications, computers, systems, circuits and devices, European Conference of Systems (ECS '10). European Conference of Circuits Technology and Devices (ECCTD '10), European Conference of Communications (ECCOM '10). European Conference of Computer Science (ECCS '10), Puerto De La Cruz, Tenerife, Nov. 30-Dec. 2, 2010, Published By WSEAS Press, www.wseas.org, Proceedings of WSEAS, pg.19-22, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010
 11. Petrescu EL, Negrutiu ML, Sinescu C, Rominu R, Topala F, **Pop DM**, Rominu M, Atomic Force Microscopy and Scanning Electronic Microscopy Investigations of Conditioned IPS Empress E.max Ceramic Core, Advances in communications, computers, systems, circuits and devices, European Conference of Systems (ECS '10). European Conference of Circuits Technology and Devices (ECCTD '10), European Conference of Communications (ECCOM '10). European Conference of Computer Science (ECCS '10), Puerto De La Cruz, Tenerife, Nov. 30-Dec. 2, 2010, Published By WSEAS Press, www.wseas.org, Proceedings of WSEAS, pg. 348-351, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010
 12. Romînu M; Sinescu C; Negrutiu ML; Rominu RO; **Pop DM**; Topala F; Stoia A; Petrescu E; Bradu A; Dobre G; Podoleanu AG, Adhesive Improvement in Optical Coherence Tomography Combined with Confocal Microscopy for Class V Cavities Investigations, Progress In Biomedical Optics And Imaging/Proceedings of SPIE Medical Imaging 2010: Biomedical Applications in Molecular, Structural, and Functional Imaging, Vol. 11, No. 36,/Vol.7626 pg.76260Y-176260Y-8, San Diego, California, United States, 14-16 February 2010
 13. Sinescu, C., Negrutiu, M., **Pop, D.**, Cuc, L., DeSabata, A., Negru, R., Hluscu, M., Rominu, M., Marcauteanu, C., Demjan, E., Bradu, A., Antoniac, I., Dobre, G., Podoleanu, A., The importance of holograms in dentistry (Proceedings Paper), SPIE Europe 2009: Optics and Optoelectronics. Holography: Advances and Modern Trends, Proc. SPIE, 2009, vol. 7358, pg 73580J.1-73580J.10, 1605-7422, apr 2009
 14. Negruțiu, M., Sinescu, C., Topala, F., Rominu, M, Markovic, D., **Pop, D.**, Hughes, M., Bradu, A., Dobre, G., Podoleanu, A. G., En face optical coherence tomography investigation of interface fiber posts/adhesive cement/root canal wall (Proceedings Paper), Progress In Biomedical Optics And Imaging, European Conference on Biomedical Optics 2009: Optical Coherence Tomography and Coherence Techniques IV, Proc. SPIE, 2009, vol. 7372, pg 73721A.1 -73721A.7, 1605-7422, 2009
 15. Sinescu, C., Negrutiu, M., **Pop, D.**, Cuc, L., DeSabata, A., Negru, R., Hluscu, M., Rominu, M., Marcauteanu, C., Demjan, E., Bradu, A., Antoniac, I., Dobre, G., Podoleanu, A., The importance of holograms in dentistry (Proceedings Paper), SPIE

- Europe 2009: Optics and Optoelectronics. Holography: Advances and Modern Trends, Proc. SPIE, 2009, vol. 7358, pg 73580J.1-73580J.10, 1605-7422
16. Negrutiu, ML; Sinescu, C; Cozarov, D; Culea, L; Rominu, M; **Pop, DM**, Repairing method of fixed partial prostheses in dentistry: laser welding, LASERS IN DENTISTRY XIV; PROC OF SPIE . vol 6843, art. no. 6843091-8, 0277-786X, 2008
 17. Sinescu, C, Negrutiu, M, Draganescu, G, Todea, C, Dodenciu, D, Florita, Z, **Pop, D**, Microleakage in dentistry: New methods for investigation the gaps in biomaterials, LASERS IN DENTISTRY XIV; PROC OF SPIE . vol 6843, art. no.68430P, 0277-786X, 2008

Articles/ proceedings paper published abroad, în journals/volumes indexed in other international data bases (Scopus, Pub Med, EI Compendex, EBESCO, Index Copernicus etc.)

1. Rominu R, Sinescu C, Negrutiu M, Petrescu E, **Pop D**, Rominu M, Podoleanu AGh, Orthodontic Bracket Bonding from a Different Angle - An Optical Coherence Tomography Investigation, International Journal Of Biology And Biomedical Engineering, Naun Press, 5 (4): 173-180, ISSN 1998-4510, 2011

Articles published in romanian journals - CNCS - B+ category

1. Enescu M, Romînu M, Romînu R, Negruțiu M, **Pop D**, Petrescu E, Sinescu C, Effect of Various Adhesive Agents on Shear Bond Strength of Amalgam and Composite, Medicine in Evolution, 17 (1): 17-22, 2065-376X, Mar 2011
2. Negruțiu M., Sinescu C., Topală F., Romînu M, Markovic D., **Pop D.**, Dobre G., Podoleanu AG, Imaging of defects at the interface of fiber posts restored endodontically treated teeth, Timișoara Medical Journal, vol 60/ 1/29-33, 1583 – 5251, 2010
3. Romînu M, Sinescu C., Negrutiu M., **Pop D.M.**, Bradu A., Petrescu E., Rominu R.O., Dobre G., Podoleanu A.Gh., Class V cavities diagnostic by en face optical coherence tomography. The necessity of increasing the scattering for adhesive layer media, Timișoara Medical Journal, vol 60/ 1/39-43, 1583 – 5251, 2010
4. Sinescu C., Negrutiu M., Ioniță C., Negru R., Bradu A., **Pop D.**, Topală F., Marsavina L., Romînu M, Dobre G., Podoleanu A.Gh., Multiple possibilities in detection of materials defects in ceramic fixed partial prostheses. Numerical simulation and photoelasticity methods employed for evaluation and prognostic, Timișoara Medical Journal, vol 60/ 1/50-55, 1583 – 5251, 2010
5. **Pop D.M.**, Negrutiu M.L., Sinescu C., Topală F., Gliță G., Cozarov D., Romînu M, Investigation and evaluation of laser weldings compared to electrical weldings of various dental alloys, Timișoara Medical Journal, vol 60/ 1/78-81, 1583 – 5251, 2010

Articles/proceeding papers published in romanian journals - CNCS - B category

1. Tareq Hajaj, Rominu M., Negrutiu M.L., Sinescu C., Talpos S., Chioran D., HajajK.R., Stan A.T., Muntean C., **Pop D.**, Craciunescu E., Ianes E. The prevalence of Epulis-like tumors in the Western part of Romania. Medicine in Evolution Volume XXV, No. 3, 2019, pg. 275. ISSN 2065-376X.
2. Petrescu E, Romînu M, Sinescu C, Negruțiu ML, Topală F, **Pop D**, Romînu R, Enescu M, Soicu A, Opto-Electronic Non-Invasive Analysis of Ceramic-Composite Interfac, Proceedings of the XIIth International Symposium "Young People and Multidisciplinary Research", 11-12.11.2010, Timișoara Editura Politehnica, Timișoara, pg.135-139, 1843-6609, nov 2010
3. **Pop DM**, Sinescu C, Negruțiu ML, Romînu RO, Petrescu EL, Stoia AE, Topală F, Enescu M, Romînu M, Hardness Evaluation of Dental Alloyss Joined by Syncrystallization, Proceedings of the XIIth International Symposium "Young People and Multidisciplinary Research", 11-12.11.2010, Timișoara Editura Politehnica, Timișoara, pg.140-144, 1843-6609, nov 2010
4. Negruțiu M.L., Sinescu C., Topală F., Hughes M., Bradu A., Petrescu E.L., **Pop D.M.**, Filip I., Rominu M., Podoleanu A.Gh., Conceptual developing of noninvasive investigation techniques in dental medicine: optoelectronic and interferometric systems, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, ed.Politehnica, pg.170-175, 1843-0902, 2009
5. Petrescu E., Sinescu C., Negrutiu M., Hughes M., Bradu A., **Pop D.M.**, Rominu M., Podoleanu A.Gh., Boundary adapting of pressed ceramic facets, investigated trough noninvasive optoelectronic interferometric techniques, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, ed.Politehnica, pg.176-180, 1843-0902, 2009

6. Romînu M., Sinescu C., Negruțiu M., Hughes M., Bradu A., Petrescu E., **Pop D.M.**, Gavrilovici A., Podoleanu A.Gh., Interferometric studies of dental interfaces in the cavities of class V using, coherent optical tomography, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, *ed.Politehnica*, pg.181-185, 1843-0902, 2009
7. Sinescu C., Negruțiu M., Cozarov D., Dodenciu D., **Pop D.M.**, Petrescu E., Gavrilovici A., Romînu M., Alternative technologies in partial fixed prosthesis. Errors in CAD scanning and their implications in results, obtained by SLS/SLM Techniques, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, *ed.Politehnica*, pg.186-191, 1843-0902, 2009
8. **Pop D.M.**, Sinescu C., Negruțiu M.L., Petrescu E.L., Curtean A.M., Romînu M., Numerical investigation and prognostic of soldered areas in dental medicine, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, *ed.Politehnica*, pg.192-197, 1843-0902, 2009
9. Romînu R.O., Grivu O., Sinescu C., Negruțiu M.L., **Pop D.M.**, Hughes M., Bradu A., Filip I., Romînu M., Podoleanu A.Gh., Evaluations of interfaces in orthodontics: unconventional concepts, Proceedings of the Xth Symposium, Acousting and vibration of mechanical structures AVMS-2009, *ed.Politehnica*, pg.198-202, 1843-0902, 2009
10. Negruțiu M., Sinescu C., Topală F., Romînu M., Markovic D., **Pop D.**, Dobre G., Podoleanu A. Gh., Quality assessment of the Interface Fiber Posts/Adhesive Cement /Root Canal Wall, *Medicine in Evolution*, vol.XV nr.2, pg.61-66, 2065-376X, 2009
11. Petrescu E.L., Sinescu C., Negruțiu M.L., **Pop D.M.**, Stoia A.E., Haiduc Cl., Romînu R.O., Romînu M., Different methods for conditioning the infrastructure's ceramic veneers performed trough Empress system. Qualitative study, *Medicine in Evolution*, vol.XV nr.2/, pg.83-86, 2065-376X, 2009
12. Romînu M., Sinescu C., Negruțiu M., **Pop D.**, Romînu R, Optical measuring techniques – future potential of holography in dentistry – a review approach, *Acoustics and vibration of mechanical structures AVMS-2007*, Proceedings of the IX-th symposium, Editura Politehnica, ISSN: 1843-0902, 210-214, Timișoara, 2007.
13. **D Pop**, L. Sandu, S. Porojan, C. Bortun. Repair Possibilities of Single Tooth Metallic Restauration Casting Deffects, *Medicine in Evolution Timisoara*, nr. 3 2007, pg. 24-27
14. Negruțiu M., Sinescu C, Todea C, Romînu M., **Pop D.** Laser welding of dental alloys using protective mediums, *Acoustics and vibration of mechanical structures AVMS-2007*, Proceedings of the IX-th symposium, Editura Politehnica, ISSN: 1843-0902, 178-183, Timișoara, 2007.
15. Sinescu C, Negruțiu M, Todea C, Romînu M., **Pop D.** Three unit fixed partial denture joined by laser welding. A comparative approach between conventional soldering and casting, *Acoustics and vibration of mechanical structures AVMS-2007*, Proceedings of the IX-th symposium, Editura Politehnica, ISSN: 1843-0902,184-187, Timișoara, 2007.
16. **Pop D.** Negruțiu M, Sinescu C., Demian C, Todea C, Romînu M., Filip L, Different types of laser welding in dental technology, *Timișoara Medical Journal* , vol. 57, nr. 2-3, pg.184-186, ISSN 1583-5251, CNCSIS categoria B, 2007
17. Negruțiu M, Sinescu C., Romînu M., **Pop D.** Lakatos S., Thermoplastic resins for flexible framework removable partial dentures, *Timișoara Medical Journal*, vol. 55, nr. 3, pg.295-299, 1583-5251, 2005

Articles/proceeding papers published in romanien journals - CNCS – C, D category; other romanien journals

1. Sinescu C, Negruțiu M, Dodenciu D, Topala F, Nica L, Ioniță C, **Pop D.**, Petrescu E, Romînu R, Stoia A, Filip I, Dubic M, Romînu M, Podoleanu A, Tehnici moderne de evaluare a calității integrității obturației radiculare, *Dental Target*,vol. V, nr.2 (15), pg. 41 – 43, ISSN 1842-2054, 2010
2. Sinescu C, Groza C, Negruțiu ML, **Pop DM**, Romînu RO, Petrescu EL, Stoia A, Romînu M, Aspecte tehnologice în realizarea unor proteze parțiale fixe integral ceramice, *Dental Target*,vol. V, nr.1 (14), pg. 42 – 45, ISSN 1842-2054, 2010
3. Sinescu C, Ghinescu F, Negruțiu M, Petrescu E, **Pop D.**, Stoia A, Romînu R, Bradu A, Dobre G, Romînu M, Podoleanu A, Fațetele integral ceramice. Etape de realizare tehnologică și verificarea adaptării marginale utilizând tomografia optică coerentă (II), *Dental Target*,vol. IV, nr.4 (13), pg. 41 – 43, ISSN 1842-2054, 2009
4. Sinescu C, Ghinescu F, Negruțiu M, Petrescu E, **Pop D.**, Stoia A, Romînu R, Bradu A, Dobre G, Romînu M, Podoleanu A, Fațetele integral ceramice. Etape de realizare tehnologică și verificarea adaptării marginale utilizând tomografia optică coerentă (I), *Dental Target*,vol. IV, nr.3 (12), pg. 41 – 43, ISSN 1842-2054, 2009
5. Romînu M, Florita Z, Haiduc C,Sinescu C, Romînu RO, Negruțiu M, **Pop D.**, Stoia A, Enamel and dentin Adhesion: back to the past?, *Medicine in Evolution*, vol XIV, nr.3, 44 – 47, ISSN 1454-8224, 2008
6. Negruțiu M., Sinescu C., **Pop D.M.**, Romînu R.O., Goguta L., Dobre G., Hughes M., Podoleanu A.Gh,Complex Dentures Investigated with En-Face Optical Coherence Tomography, *Medicine in Evolution*, vol XIV, nr.2, 38 – 41, ISSN 1454-8224

7. Rominu R.O., Sinescu C., Negrutiu M., Romînu M, **Pop D.M.**, Florita Z, Podoleanu A. Gh., Optical Coherence Tomography – A new Method of Interface Investigation, Medicine in Evolution, vol XIV, nr.2, 26 – 28, ISSN 1454-8224, 2008
8. Sinescu C., Negrutiu M., Draganescu Gh., Dodenciu D., Rominu R.O., **Pop D.M.**, Haiduc C., Romînu M, Procesarea si Optimizarea Semnalelor Acustice in Medicina Dentara. Aspecte ale starii de Normal Fonetic (III), Dental Target, vol III, nr.9, 43 – 45, ISSN 1842-2054, 2008
9. **Pop D.M.**, Romînu M, Sinescu C., Negrutiu M., Haiduc C., Rominu R. O., Stoia A., Viruzab N., Mitroi F., Groza C., Aspecte Tehnologice in Depunerea Electroforetica a Aluminei pentru Realizarea Coroanelor Integral Ceramice Utilizand Sistemul Wol-Ceram, Dental Target, vol III, nr.8, 32 – 34, ISSN 1842-2054, 2008
10. Sinescu C., Negrutiu M., Draganescu Gh., Dodenciu D., Rominu R.O., **Pop D.M.**, Haiduc C., Romînu M, Procesarea si Optimizarea Semnalelor Acustice in Medicina Dentara. Aspecte ale starii de Normal Fonetic (II), Dental Target, vol III, nr.8, 41 - 43, ISSN 1842-2054, 2008
11. Sinescu C., Negrutiu M., Draganescu Gh., D. Dodenciu, R.O. Rominu, **D.M. Pop**, C. Haiduc, Romînu M, Procesarea si Optimizarea Semnalelor Acustice in Medicina Dentara. Aspecte ale starii de Normal Fonetic (I), Dental Target, vol III, nr.7, 45 – 47, ISSN 1842-2054, 2008
12. Sinescu C., Negrutiu M., Craciun B., Rominu R.O., **Pop D.M.**, Haiduc C., Florita Z., Stoia A., Romînu M, Rezolvari Alternative Minim Invazive a unor Brese Unidentare. Sistemul Crownless Bridge (CBW), Dental Target, vol III, nr.7, 27 – 34, 1842-2054, 2008
13. Petrescu E., Sinescu C., Negrutiu M., Romînu M, Filip I., **Pop D.M.**, Rezistenta la rupere a unei proteze partiale fixe din trei elemente realizata din dioxid de zirconiu, Tinerii si Cercetarea Multidisciplinara, Proceedings of the Xth International Symposium, 210 – 214, ISSN 1843-6609, 2008
14. **Pop D.M.**, Romînu M, Negrutiu M., Sinescu C., Rominu R.O., Haiduc C., Stoia A., Enescu M., Ciocan G., Analiza rezistentei protezelor partiale fixe solidarizate prin diferite tehnici de sudare, Tinerii si Cercetarea Multidisciplinara, Proceedings of the Xth International Symposium, 215 -219, ISSN 1843-6609, 2008
15. Rominu R.O., Romînu M, Negrutiu M., Sinescu C., **Pop D.M.**, Stoia A., Haiduc C., Mihali S., Bracketurile ceramice de la inceputuri si pana in prezent, Tinerii si Cercetarea Multidisciplinara, Proceedings of the Xth International Symposium, 220 – 222, ISSN 1843-6609, 2008
16. Negrutiu M, **Pop D.**, Stoia A, Romînu R, Romînu M, Sisteme injectate versus sisteme clasice in rezolvarea edentatiei totale, ACMV-Tinerii si Cercetarea Multidisciplinara, Proceeding of the IX International Symposium, 15-16 noiembrie, 250-253, Editura Mirton , ISSN: 1843-6609, 2007
17. Negruțiu M, Sinescu C., **Pop D.**, Florița Z., Stoia A, Obtaining face-bow registration with Whip-Mix face-bow, Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed.Sudura, Timișoara, 2004
18. **Pop D.**, Sinescu C., Florița Z., Negruțiu M, Stoia A, 3D Dental Imaging By Spiral CT, Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed.Sudura, Timișoara, 2004
19. Sinescu C., **Pop D.**, Florița Z., Negruțiu M, Stoia A, Making Holograms in Dentistry, Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed.Sudura, Timișoara, 2004

Oral presentations (abroad)

1. Romînu M, Topala FI, Sinescu C., Negrutiu ML, Rominu RO, Stoia AE, **Pop DM**, Enescu M, Bradu A, Podoleanu AG, Color mapping assessment in OCT investigation of composite dental fillings, SPIE Photonics Europe 2010, Biophotonics: Photonic Solutions for Better Health Care II, 12–16 April 2010 Brussels, Belgium, Technical Programme, apr 2010
2. Sinescu C, Negrutiu ML, Ionita CN, Topala FI, Bradu A, Dobre GM, Rominu RO, **Pop DM**, Petrescu EL, Romînu M, Podoleanu AG, OCT investigation of ceramic veneered fixed partial prostheses, SPIE Photonics Europe 2010, Biophotonics: Photonic Solutions for Better Health Care II, 12–16 April 2010 Brussels, Belgium, Technical Programme, apr 2010
3. Petrescu E.L., Sinescu C., Negrutiu M.L., Hughes M., Bradu A., **Pop D.M.**, Rominu M., Podoleanu A.Gh., Marginal fit investigations of pressed ceramic crowns using imagistic methods, The 22nd European Conference on Biomaterials (ESB2009), Sept. 7-11, Lausanne, Elvetia, 2009, <http://www.esb2009.org/esb2009/index.htm>, 2009
4. Negrutiu ML, Sinescu C., Topala F.I., **Pop D.M.**, Negru R., Rominu M., Quality Assessment of Laser Welding Procedures of Dental Alloys, 5th SOLA Laser Congress, October 22 – 25, 2009, Vienna, Austria, <http://www.sola->

int.org/vienna2009/download/abstracts.pdf, Abstracts, The Journal of Oral Laser Applications, Vol 9, No 2/3, pg.170, 2009

5. Negrutiu M, Sinescu C, Goguta L., Hughes M., Bradu A., Rominu R , **Pop D.**, Cănjău S., Podoleanu AGh., The detection of denture material defects by a noninvasive method, Annual Meeting of the Swiss Society for Biomaterials. Basel, Switzerland, May 9, 2008, European Cells and Materials, Vol. 16. , Suppl. 1, pg 41, ISSN 1473-2262, 2008
6. Florița Z, **Pop DM**, Haiduc CD, Stoia AE, Romînu RO, Negruțiu ML, Sinescu C, Clonda C, Dobre G, Podoleanu A Gh, En-face optical coherence tomography scanning of amalgam-hard dental tissues interface, Annual Meeting of the Swiss Society for Biomaterials. Basel, Switzerland, May 9, 2008, European Cells and Materials, Vol. 16. , Suppl. 1, pg 33, ISSN 1473-2262, 2008

Oral presentations – in Romania

1. **Pop Daniela Maria**, Craciunescu Emanuela Lidia, Sinescu Cosmin, Topală Florin Ionel, Meda Lavinia Negruțiu. Investigații noninvazive a protezelor dentare realizate din rășini diacrilice compozite armate cu EG Fiber. International Seminar on Biomaterials and Regenerativ Medicine. ISSN 2457-7758,ISSNL 2457-7758 Bioremed Oradea 2015
2. **Pop D.** Topala FI, Antonie S, Sinescu C, Negrutiu ML, Rominu M, Bratu D, Podoleanu AGh, Selective Laser Sintering - Selective Laser Melting - a Close-up on Dental Applications, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Suppl.1, 2011
3. Negruțiu M.L., Topală F.I., **Pop D.M.**, Sinescu C., Dodenciu D., Romînu M, Laser joining versus microimpulse welding of dental alloys: a quality approach, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
4. Sinescu C.,Negruțiu ML, Ioniță C, Topală F, Petrescu E, Romînu R,**Pop DM**, Mărșăvină L, Negru R, Bradu R, Todea C, Romînu M, Podoleanu A.G., Metal-ceramic interfaces investigated with radiographic, microcomputer tomography and optical coherence tomography methods, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
5. Romînu M, Topală F., Sinescu C., Negruțiu M.L., Romînu R., Petrescu E., **Pop D.M.**, Bradu A., Todea C., Podoleanu A.G., Optical coherence tomography assessment of direct composite restorations, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
6. Romînu R., Sinescu C., Negruțiu M.L., Topală F., Petrescu E., **Pop D.M.**, Bradu A., Todea C., Romînu M, Podoleanu A.G., Imagistic approach on orthodontic interfaces, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
7. Petrescu E., Negruțiu M.L., Sinescu C., **Pop D.M.**, Romînu R., Romînu M, Podoleanu A.G., Optical coherence tomography and radiological investigations of ceramic repaired crowns, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
8. **Pop D.M.**, Dodenciu D., Sinescu C., Negruțiu M.L., Topală F.I., Petrescu EL, Romînu R.O., Stoia A.E., Romînu M, Biophysical investigations of different types of weldings in dental technology, International Congress Laser Bucharest 2010, Final Programme, www.laserbucharest.org, 2010
9. Sinescu C., Negruțiu M.L., Topală F., Dodenciu D., Bradu A., Ioniță C., Dobre G., Petrescu E., **Pop MD**, Romînu RO, Stoia AE, Romînu M, Podoleanu AG, Ceramic veneers and integral ceramic crowns investigated with time domain optical coherence tomography, International Conference „Biomaterials, Tissue Engeneering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, www.srb.ro, sept 2010
10. Petrescu E., Romînu M, Sinescu C., Negruțiu M.L., Topală F., **Pop MD**, Romînu RO, Enescu M., Șoicu A, Bradu A., Dobre G, Podoleanu AG, Interface integrity investigation of four ceramic repair systems, International Conference „Biomaterials, Tissue Engeneering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, www.srb.ro, sept 2010
11. **Pop DM**, Sinescu C., Negruțiu M.L., Petrescu E., Romînu RO, Topală F., Enescu M., Șoicu A, Romînu M, Hardness evaluation of dental metallic materials joined by sincristallization, International Conference „Biomaterials, Tissue Engeneering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, www.srb.ro, sept 2010
12. **Pop DM**, Sinescu C, Negruțiu ML, Romînu RO Petrescu EL, Stoia AE, Topală F, Romînu M, The investigation of the hardness of different dental alloys welded by sincristallization, Milenium III Medicine,The International Congress of Medical Days in Banat, 15th edition, Timișoara 18 - 22 Mai 2010, TMJ, vol.60, supl.1,mai 2010
13. Enescu M, Romînu M, Topală F, Negruțiu M, Sinescu C, Romînu R, **Pop D**, Petrescu E, Soicu A, Bradu A, Dobre G, Podoleanu AG, Oct studies of the interface between amalgam and a diacrylic composite resin, Milenium III

- Medicine, The International Congress of Medical Days in Banat, 15th edition, Timișoara 18 - 22 Mai 2010, TMJ, vol.60, supl.1, mai 2010
14. Petrescu E, Romînu M, Sinescu C, Negruțiu M, Topală F, **Pop D**, Romînu R, Stoia AE, Enescu M, Andra Soicu, Bradu A, Dobre G, Podoleanu AG, Oct studies of the composite-ceramic interface of metal-ceramic crowns, Milenium III Medicine, The International Congress of Medical Days in Banat, 15th edition, Timișoara 18 - 22 Mai 2010, TMJ, vol.60, supl.1, mai 2010
 15. Stoia AE, Topală F., Sinescu C., Negruțiu M., Enescu M., **Pop D.**, Romînu R., Petrescu E., Bradu A., Dobre G., Podoleanu AG, Romînu M, OCT investigations regarding the effect of organic solvents on acrylic teeth, Milenium III Medicine, The International Congress of Medical Days in Banat, 15th edition, Timișoara 18 - 22 Mai 2010, TMJ, vol.60, supl.1, mai 2010
 16. Sinescu C., Negrutiu M., Ionita C., Bradu A., Negru R., Petrescu E., Stoia A.E., **Pop D.**, Rominu R.O., Dobre G., Marsavina L., Rominu M., Podoleanu A.G., Identificarea unui model al liniilor de fractura in cadrul protezelor partiale fixe ceramice, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, www.congresys.ro, 2009
 17. Negrutiu M., Sinescu C., Ionita C., Topala F., Bradu A., Negru R., Stoia A.E., **Pop D.**, Dobre G., Rominu M., Podoleanu A.G., Evaluarea obturatiilor compozite de clasa a II cu ajutorul Micro cone beam CT si OCT, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, www.congresys.ro, 2009
 18. Petrescu E., Rominu M., Sinescu C., Negrutiu M., A.E.Stoia, **D. Pop**, R.O.Rominu, A. Tudor, C. Groza, Shear bond strength of IPS E-MAX core material and a composite material, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, www.congresys.ro, 2009
 19. **Pop D.**, Sinescu C., Negrutiu M., Petrescu E., Rominu R.O., Stoia A.E., Enescu M., Rominu M., Metalographic investigations of titanium sincristalisation, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, www.congresys.ro, 2009
 20. Negruțiu M., Sinescu C., Topală F., **Pop D.**, Negru R., Hlușcu M., Romînu M., Selective laser sintering/selective laser melting versus casting procedures in the technology of dental prostheses, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.52-53, ISSN 1583 – 5251, 2009
 21. Romînu M., Sinescu C., Negrutiu M., **Pop D.M.**, Bradu A., Petrescu E., Rominu R.O., Dobre G., Podoleanu A.Gh., Class V cavities diagnostic by en face optical coherence tomography. The necessity of increasing the scattering for adhesive layer media, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.53-54, ISSN 1583 – 5251, 2009
 22. Stoia A.E., Negruțiu M., Sinescu C., Petrescu E., **Pop D.M.**, Rominu R.O., Pielmuși M., Mihali S., Romînu M., Bond interface investigation of acrylic teeth and acrylic resin denture base, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.55-56, ISSN 1583 – 5251, 2009
 23. Negruțiu M., Sinescu C., Topală F., Romînu M., Markovic D., **Pop D.**, Dobre G., Podoleanu A. Gh., Imaging of defects at the interface of fiber posts restored endodontically treated teeth, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.43-44, ISSN 1583 – 5251, 2009
 24. Sinescu C., Negrutiu M., Ioniță C., Negru R., Bradu A., **Pop D.**, Topală F., Marsavina L., Romînu M., Dobre G., Podoleanu A.Gh., Multiple possibilities in detection of materials defects in ceramic fixed partial prostheses. Numerical simulation and photoelasticity methods employed for evaluation and prognostic, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.44-45, ISSN 1583 – 5251, 2009
 25. **Pop D.**, Negrutiu M., Sinescu C., Topală F., Gliță I., Cozarov D., Romînu M., Investigation and evaluation of laser weldings compared to electrical weldings of various dental alloys, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.48, ISSN 1583 – 5251, 2009
 26. Petrescu E.L., Sinescu C., Negrutiu M.L., **Pop D.M.**, Stoia A.E., Haiduc C., Rominu R.O., Rominu M., Condiționări ale infrastructurilor fatetelor ceramice realizate prin sistemul EMPRESS utilizând diferite metode. Studiu calitativ, 14th International Symposium The Medical Days in Banat, Timișoara Medical Journal, vol 59, supl.2, pg.43-44, ISSN 1583 – 5251, 2009

27. **Pop D. M.**, Leretter M., Sinescu C., Negrutiu M.L., Petrescu E.L., Stoia A.E., Haiduc C., Rominu M., Aplicațiile sincristalizării în solidarizarea protezelor parțiale fixe, 14th International Symposium The Medical Days in Banat, Timișoara Medical Journal, vol 59, supl.2, pg.44-45, ISSN 1583 – 5251, 2009
28. Negruțiu M., Sinescu C., Topală F., Romînu M., Markovic D., **Pop D.**, Dobre G., Podoleanu A. Gh., Evaluarea calității interfeței dispozitiv corono-radicular prefabricat/ciment adeziv/țesut dur dentar, 14th International Symposium The Medical Days in Banat, Timișoara Medical Journal, vol 59, supl.2, pg.46-47, ISSN 1583 – 5251, 2009
29. Enescu M., Sinescu C., Negrutiu M.L., Hughes M., Bradu A., Petrescu E., **Pop D.M.**, Rominu M., Podoleanu A.Gh., Microscopie confocală combinată cu tomografia optică coerentă în caracterizarea neinvazivă a interfețelor dentare, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.83, ISSN 1583 – 5251, 2009.
30. Petrescu E.L., Sinescu C., Negrutiu M.L., **Pop D.M.**, Rominu M., Three elements all ceramic partial fixed dentures mechanical testing. Introductive study, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.93, ISSN 1583 – 5251, 2009
31. Romînu R.O., Grivu O., Sinescu C., Negruțiu M.L., Ianeș E., **Pop D.M.**, Hughes M., Bradu A., Romînu M., Podoleanu A.Gh., Tehnici optoelectronice combinate cu fluorescență în evaluarea interfețelor în ortodonție, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.93, ISSN 1583 – 5251, 2009
32. **Pop D.M.**, Rominu M., Leretter M., Sinescu C., Negruțiu M.L., Petrescu E.L, Haiduc C., Stoia A.E., Alternative technological aspects of welding in dentistry. Conventional and non-conventional therapies involved in rising life quality, 11th Edition of Academic Days Timisoara, 2009 Timișoara Medical Journal, vol 59, supl.1, pg.116, ISSN 1583 – 5251, 2009
33. Șoicu A., Sinescu C., Negruțiu M.L., Hughes M., Bradu A., Petrescu E., **Pop. D.M.** Rominu M., Podoleanu A.Gh., Tendințe ale tehnologiilor optoelectronice utilizate în investigarea neinvazivă a protezelor parțiale fixe, 11th Edition of Academic Days Timisoara, 2009 Timișoara Medical Journal, vol 59, supl.1, pg.116, ISSN 1583 – 5251, 2009
34. Negrutiu M, Sinescu C, **Pop D**, Rominu R, Goguta L, Dobre G, Hughes M, Podoleanu AGh, Investigarea protezelor mobile prin tomografie optic coerenta *en-face*, The Medical Days in Banat, 3rd Milenium Medicie Editia a 13-a Timisoara, mai 2008
35. Rominu RO, Sinescu C., Negrutiu M, Rominu M, **Pop DM**, Florita Z, Podoleanu AGh, Tomografie optica coerenta-o noua metoda de invstigatie a interfetelor, The Medical Days in Banat, 3rd Milenium Medicie Editia a 13-a Timisoara, 2008
36. **Pop D**, Rominu M, Sinescu C, Negrutiu ML, Haiduc C, Rominu R, Stoia A, Viruzab N, Groza C, Aspecte tehnologice in depunerea electroforetica a aluminei pentru realizarea coroanelor integral ceramice utilizand sistmul Wol-Ceram, The Medical Days in Banat, 3rd Milenium Medicie Editia a 13-a Timisoara, 2008
37. Petrescu E, Negrutiu M, Sinescu C, Draganescu G, Rominu M, **Pop D**, Petrea C, Tensil strenght investigation of pressed ceramic system, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
38. Negrutiu M., Sinescu C, Marcauteanu C, Tanase D, Brad S, Petrescu E, **Pop DM**, Clonda C, Investigation of temporo-mandibular joint’s modifications associated with different prosthetic treatements, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, nov. 2008
39. **Pop D**, Leretter M, Negrutiu M, Sinescu C, Rominu M, Curtean AM, Immediat welding procedure in dental technology: syncrystallization method, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
40. **Pop D**, Negrutiu M, Sinescu C, Rominu M, Ciocan G, Defectoscopic methods for laser welded fixed partial dentures investigation, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
41. Negruțiu M, Sinescu C, Cozarov D, **Pop D**, Romînu R, Stoia A, Comparație între sudura cu laser și alte metode de solidarizare , Congresul Internațional de Stomatologie “Napoca Biodent 2007”, Cluj-Napoca, 8-10 Noiembrie 2007
42. Negrutiu M, Sinescu C, Dodenciu D, Florița Z, **Pop D**, Romînu R, Metode alternative de igienizare a protezelor dentare, Congresul Internațional de Stomatologie “Napoca Biodent 2007” , Cluj-Napoca, 8-10 Noiembrie 2007
43. Sinescu C, Negruțiu M, Drăgănescu G, Romînu M, Florița Z, **Pop D**, Evaluarea percolării la interfața protezelor dentare prin analiză microspectrală, Congresul Internațional de Stomatologie “Napoca Biodent 2007”, Cluj – Napoca, 8-10 noiembrie 2007.

44. **Pop D**, Negruțiu M, Sinescu C, Demian C, Todea C, Romînu M, Filip L, Different types of laser welding in dental technology, International Conference on Laser in Medicine, Timisoara, Romania, 2nd Edition, Actualities and Perspectives in Laser Therapy in Dentistry and Oral Medical Specialities, July 5th - 7th, 2007, Quintessence International Romania, ISBN 978-973-0-05074-5, 54, July 2007
45. Romînu M, Sinescu C, Negruțiu M, **Pop D**, Romînu R, Optical measuring techniques - future potential of holography in dentistry - a review approach, Zilele Academice Timișene, Academia Română-Filiala Timișoara, Centrul de cercetări tehnice fundamentale și avansate, Academia de Științe tehnice din România, Societatea Română de Acustică, Proceedings of the 9th Symposium, Ed. Politehnica, ISSN 1843 - 0902, Timișoara, 24 - 25 mai 2007.
46. Sinescu C, Negruțiu M, Todea C, Romînu M, **Pop D**, Three unit fixed partial denture joined by laser welding. A comparative approach between conventional soldering and casting, Zilele Academice Timișene, Academia Română-Filiala Timișoara, Centrul de cercetări tehnice fundamentale și avansate, Academia de Științe tehnice din România, Societatea Română de Acustică, Proceedings of the 9th Symposium, Ed. Politehnica, ISSN 1843 - 0902, Timișoara, 24 - 25 mai 2007.
47. Negruțiu M, Sinescu C, Todea C, Romînu M, **Pop D**, Laser welding of dental alloys using protective mediums, Zilele Academice Timișene, Academia Română-Filiala Timișoara, Centrul de cercetări tehnice fundamentale și avansate, Academia de Științe tehnice din România, Societatea Română de Acustică, Proceedings of the 9th Symposium, Ed. Politehnica, ISSN 1843 - 0902, Timișoara, 24 - 25 mai 2007.
48. Negruțiu M, Sinescu C, Todea C, Romînu M, **Pop D**, Romînu R, Investigarea atributelor mediului protector în tehnologia sudurii cu laser, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, supplement 2, ISSN 1583 – 5251, Timișoara, 24 - 25 mai 2007.
49. Romînu M, Sinescu C, Dodenciu D, Negruțiu D, **Pop D**, Florița Z, Romînu R, Analiza în paralel a trei sisteme de fotopolimerizare în funcție de variația parametrului temperatură în camera pulpară, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, supplement 2, ISSN 1583 – 5251, Timișoara, 24 - 25 mai 2007.
50. Sinescu C, Negruțiu M, Romînu M, **Pop D**, Stoia A, Florița Z, Alternative holografice, pentru măsurătorile realizate în medicina dentară, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, supplement 2, ISSN 1583 – 5251, Timișoara, 24 - 25 mai 2007.
51. Negruțiu M, Podoleanu AGh, Sinescu C, Todea C, Romînu M, **Pop D**, Investigarea protezelor parțiale fixe prin tomografie optic coerentă, Congres Internațional Zilele Medicale Bănățene, Ediția a XII-a, Timișoara, 15-19 mai, 2007, TMJ, vol.57, supl.1, ISSN 1583-5251, 2007.
52. Negruțiu M, Sinescu C, **Pop D**, Florița Z, Romînu R, Mediu Protector de Argon în procedurile de sudură cu laser, Congres Internațional Zilele Medicale Bănățene, Ediția a XII-a, Timișoara, 15-19 mai, 2007, TMJ, vol.57, supl.1, ISSN 1583-5251, 2007.
53. Negruțiu M, Sinescu C., Florița Z., Romînu M., Lakatos S., **Pop D**, Termoplaste versus chemoplaste în tehnologia protezelor mobile și mobilizabile, Napoca Biodent 2005 - International Congress of Dental Materials, Cluj-Napoca, România, 10-12 noiembrie 2005
54. Negruțiu M, Sinescu C, Romînu M, Stoia A, **Pop D**, Szalina LA, Proteze parțiale mobilizabile cu baze flexibile - o soluție alternativă, Zilele Medicale Bănățene - Medicina Mileniului III, Timișoara Medical Journal, vol. 55, supl. 2, pg. 72, ISSN 1583-5251, Timișoara 19-21 mai 2005.
55. Sinescu C, Negru R, Romînu M, Negruțiu M, **Pop D**, Efectele direcției de acțiune a forței masticatorii asupra țesutului osos de suport asupra dinților naturali și a protezei parțiale fixe, Al VIII-lea Congres Național UNAS, Volum de rezumate, București 6-9 octombrie 2004.
56. Negruțiu M, Romînu M, Sinescu C, Florița Z, **Pop D**, Posibilități de determinare și simulare pe articulador a relațiilor intermaxilare la edentatul total, Al VIII-lea Congres Național UNAS, Volum de rezumate, București 6-9 octombrie 2004.

Teză Doctorat

Tehnici moderne de solidarizare a componentelor metalice în medicina dentară, 2012
 Conducător Științific Prof. Univ. Dr. Romînu Mihai

BOOKS, MONOGRAPHS

1. RO Rominu, M Rominu, M Negrutiu, C Sinescu, **DM Pop**, E Petrescu. Adeziunea amelara. Curs pentru studentii Facultatii de Medicina Dentara. Ed. Victor Babes, Timisoara 2011.

COURSES

1. Meda-Lavinia Negruțiu, Cosmin Sinescu, Marius Leretter, Sorin Lakatos, Mihai Romînu, Liliana Sandu, Zeno Florița, **Daniela Pop**, Adelina Stoia, Tehnologia protezelor dentare (vol. 1). Proteze unidentare, Curs Lito UMF "Victor Babeș" Timișoara, 2005.
2. L Sandu, C Bortun, **D Pop**, M Negrutiu. Tehnologia restaurarilor protetice fixe unidentare. Indreptar de lucrari practice. Lito UMF "Victor Babeș" Timișoara, 2006
3. Meda-Lavinia Negruțiu, Cosmin Sinescu, Marius Leretter, Sorin Lakatos, Mihai Romînu, Liliana Sandu, Zeno Florița, **Daniela Pop**, Adelina Stoia, Tehnologia protezelor dentare (vol. 1). Proteze unidentare, Curs Lito UMF "Victor Babeș" Timișoara, 2005.
4. Carmen Todea, M Miron, C Bălăbuc, A Vâlceanu, A Chevereșan, L Filip, **D Schinteie**. Atitudinea de urgență în medicina dentară. Ed. Brumar, Timișoara 2003. ISBN 973-602-037-1.
5. Sinescu Cosmin, Alin Gabriel Gabor, Cristian Zaharia, Emanuela Lidia Craciunescu, **Daniela Maria Pop**, Silvana Cănjău, Anca Jivanescu, Meda Lavinia Negruțiu. Sisteme CAD-CAM utilizate în medicina dentară. Ed. Eurobit Timișoara 2015 ISBN 978-973-132-210-0.
6. Sinescu Cosmin, Alexandra Măroiu, Emanuela Lidia Craciunescu, **Daniela Maria Pop**, Adelina Elena Stoia, Meda Lavinia Negruțiu. Tehnici de albire a dinților. Ed. Eurobit Timișoara 2014 ISBN 978-973-132-196-7
7. Negruțiu Meda Lavinia, C. Sinescu, E.L. Petrescu, **DM Pop**, FI Topală. Dental prostheses Technology Single unit resturation. Ed. Eurobit Publish House, Timișoara 2013. ISBN 978-973-132-073-1

GRANTS

1. Grant CNCSIS A 1032/2007 - Optimizarea comportamentului biomecanic al protezelor partiale prin introducerea unui nou sistem special de mentinere sprijin stabilizare si generarea unor masuri moderne de igienizare si intretinere, Negrutiu Meda (director de proiect), Rominu Mihai, Sinescu Cosmin, Florita Zeno, **Pop Daniela**, Stoia Adelina, Rominu Roxana, Todea Carmen, Miron Marian, Soicu Sebastian, Marcauteanu Corina, 2007-2008
2. Proiect international FP7 COST ACTION MP 1005-NAMABIO "From NANO to Macro BIOMaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine" 14 Aprilie 2011- 13 Aprilie 2015, membru in echipa Romaniei
3. PNII tip IDEI ID_1264, contract nr. 200/01.10.2007, Implementarea și evaluarea procedeeelor computerizate în tehnologia protezelor dentare (2007-2010), Director proiect: Liliana Sandu, membru Pop Daniela Maria