

# Curriculum vitae Europass



## Informații personale

Nume / Prenume

Adresă(e)

Telefon

Fax

E-mail

Naționalitate/cetățenie română, franceză

Data nașterii

Sex Feminin

**Negruțiu Meda-Lavinia**

**Locul de muncă vizat / Domeniul ocupațional** Universitatea de Medicina si Farmacie Victor Babes din Timisoara, Facultatea de Medicina Dentara

## Experiența profesională

Perioada	Perioada:	10.1996 –02.1999,	01.1997 –12.1998	12.1998 – 09.2003
Locul:	Locul:	Timisoara	Timisoara	Timisoara
Instituția:	Instituția:	UMFT, Facultatea de Stomatologie	UMFT, Facultatea de Stomatologie	UMFT Facultatea de Stomatologie
Funcția:	Funcția:	preparator	medic rezident stomatologie generala	medic specialist stomatologie generala
Descriere:	Descriere:	Disciplina de Propedeutica si Materiale Dentare Timisoara (comunicare 113/01.10.1996)	(ordin M.S. nr.57/20.01.97)	(ordin M.S.nr.1011/10.12.1998)
Perioada:	Perioada:	02.1999 –02.2002	11.2000-06.2006	02.2002 – 05.2006
Locul:	Locul:	Timisoara	Timisoara	Timisoara
Instituția:	Instituția:	UMFT, Facultatea de Stomatologie	Spitalului clinic Nr.1 Judetean	UMFT, Facultatea de Stomatologie
Funcția:	Funcția:	asistent	medic specialist stomatologie generala	sef de lucrari
Descriere:	Descriere:	la Disciplina de Propedeutica si Materiale Dentare, Facultatea de Stomatologie(comunicare nr.14/01.03.1999).	- integrare clinica 0,5 norma - Ambulatorul de Specialitate(comunicare nr.9484/11.2000)	la Disciplina de Propedeutica si Materiale Dentare, Facultatea de Medicina Dentara (comunicare nr.9/25.02.2002)
Perioada:	Perioada:	05.2006 –10.2013	09.2003 - prezent	06.2006 - prezent
Locul:	Locul:	Timisoara	Timisoara	Timisoara
Instituția:	Instituția:	UMF "Victor Babeș"	UMFT Facultatea de Stomatologie	Spitalului Clinic Municipal
Funcția:	Funcția:	conferențiar	medic primar stomatolog	medic primar stomatolog
Descriere:	Descriere:	Disciplina de Propedeutică și Materiale Dentare, Facultatea de Medicina Dentara (ordinul Ministrului Educație și Cercetării 3820/03.05.2006)	(ordin M.S. nr.846/12.09.2003)	integrare clinica cumul funcții 0,5 norma-Ambulatorul de Specialitate(cotract individual de munca nr.839/30.05.06)

din octombrie 2013 - Profesor la Disciplina de Propedeutică și Materiale Dentare (Tehnologia Protezelor Dentare), Facultatea de medicină Dentară,UMF "Victor Babeș" Timișoara (HS Nr.1/12514/21.10.2013)

**Prodecan al Facultății de Medicină Dentară – 01.10.2013-31.03.2016**

Funcția sau postul ocupat

Profesor universitar la Disciplina de Propedeutică și Materiale Dentare  
**Decan al Facultății de Medicină Dentară** numită prin Decizia Rectorului Nr.120/31.03.2016, în baza HS nr.1/3714/31.03.2016

**Membru al Comisiei de specialitate CNATDCU 22 Medicină Dentară – din 10.06.2016, numită prin OM 4106/10.06.2016**

Activități și responsabilități principale

Activitate didactică și de cercetare, activitate managerială și administrativă ca decan, activitate de evaluare științifică

Numele și adresa angajatorului

Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara, Facultatea de Medicină Dentară, Pta E.Murgu Nr.2, cod.300041 Timișoara, RO  
Învățământ universitar

Tipul activității sau sectorul de activitate

## Educație și formare

Perioada

Instituția	LICEUL DE MATEMATICĂ-FIZICĂ «NIKOLAUS LENAU» □ DIN TIMISOARA, SECTIA GERMANA	UNIVERSITATEA DE MEDICINA SI FARMACIE DIN TIMISOARA, FACULTATEA DE STOMATOLOGIE	UNIVERSITATEA DE MEDICINA SI FARMACIE DIN TIMISOARA, FACULTATEA DE STOMATOLOGIE
Perioada:	09.1985-07.1989	10.1990-07.1995	10.1997-11.2001
Grade sau diplome obținute	DIPLOMA DE BACALAUREAT	DIPLOMA DE DOCTOR MEDIC STOMATOLOG	DIPLOMA DE DOCTOR IN STOMATOLOGIE

Confirmat **conducător** de doctorat în **domeniul medicină dentară** în urma obținerii atestatului de abilitare - prin OM 4898/18.08.2015 Medicină Dentară

Calificarea / diploma obținută

Diploma de bacalaureat, diploma de doctor medic stomatolog, diploma de doctor in stomatologie, atestat de abilitare

Disciplinele principale studiate / competențe profesionale dobândite

- cursuri generale: anatomie, fiziologie, biochimie, biofizică  
- cursuri de specialitate: propedeutică și materiale dentare, protetică dentară, odontoterapie, endodonție, parodontologie, chirurgie oro-maxilo-facială, anesteziologie, policlinică stomatologică  
- din 1995 - prezent – peste 30 de cursuri postuniversitare și programe de perfecționare, printre care:  
Managementul Proiectelor de Cercetare Științifică Medicală și Farmaceutică (Timișoara, 15.03-22.04.2005); curs de perfecționare postuniversitar Restaurări provizorii imediate în protezarea fixă (Timișoara, 2005)  
- program postuniversitar de pregătire teoretică și practică pentru ceramica Vision Clasic și Vision Low (Timișoara, 2005); program postuniversitar de pregătire teoretică și practică Duceram Kiss (Timișoara, 2005); program postuniversitar de pregătire teoretică și practică SR-Adoro (Timișoara, 2005); program postuniversitar de pregătire teoretică și practică Sisteme integral ceramice CAD/CAM - Noritake (București, 2005); curs de perfecționare postuniversitar "Terapia cu laseri in medicina dentară"- modulul I, II, III (Timișoara, 2005-2007) - atestat în Utilizarea laserilor în medicina dentară (Timișoara 2007); atestat in Implantologie orală (Timisoara 2007)  
- Principles and applications of Optical Coherence Tomography (James Fujimoto, SPIE, Photonics West 2008 – San Jose, USA)  
- Modern Optical Testing - Field guide to interferometric optical testing (James Wyant, SPIE - Photonics West 2008 – San Jose, USA)  
- Structural adhesives for optical bonding, (John Daly, SPIE, Photonics West 2008 – San Jose, USA)  
- Principles of Diffraction, interferometry, Holography and Diffractive Optical Elements (Emmett Leith, SPIE, Photonics West 2008 – San Jose, USA) etc.

Numele și tipul instituției de învățământ / furnizorului de formare

Universitatea de Medicină și Farmacie „Victor Babeș” Timișoara, Facultatea de Medicină Dentară

Nivelul în clasificarea națională sau internațională

Prof.Univ.Dr. abilitat / University Professor, DMD, PhD, habil.  
- from 01/04/2016 to 31/12/2019 - **Visiting Professor** in the School of Physical Sciences, University of Kent, Canterbury, UK  
- from 15/11/2012 to 31/12/2015 - **Visiting Senior Lecturer** in the School of Physical Sciences, University of Kent, Canterbury, UK ,  
- from 25th July 2007 to 31st December 2010 - **Visiting Research Fellow** in the School of Physical Sciences University of Kent, Canterbury, UK and member of Keynes College.  
- Scientific expertise in approached domain: from May 2005 registered at Registrul National al Expertilor in Invatamantul Superior si Cercetare (RNE- list 1- position 410), active participation at evaluations in CNCSIS, CEEX, PNII and Swiss National Science Foundation competitions; etc  
Inscrisa in Registrul National de Evaluatori ARACIS, comisia 12 - de stiinte medicale

## Aptitudini și competențe personale

Limba(i) maternă(e)

Romana

Limba(i) străină(e) cunoscută(e)

Germana, Engleza, Franceza

Autoevaluare

Nivel european (\*)

Limba

Înțelegere				Vorbire				Scriere	
Ascultare		Citire		Participare la conversație		Discurs oral		Exprimare scrisă	
1	Germana	C2	F. bine	C2	F. bine	C2	F. bine	C2	F. bine
2	Engleza	B2	bine	B2	bine	B2	bine	B2	Bine
3	Franceza	B2	bine	B2	bine	B2	bine	B2	Bine

(\*) Nivelul Cadrului European Comun de Referință Pentru Limbi Străine

Competențe și abilități sociale

Vicepresedinte al Departamentului de Asigurare a Calității Educaționale din UMFVB Timișoara - perioada 06.2012-10.2013

Competențe și aptitudini organizatorice

Organizator congres laseri in stomatologie; Congres Zilele Stomatologice bănațene, Congres biomateriale si medicina regnerativă BIOREMED

Competențe și aptitudini tehnice

Utilizarea de dispozitive tehnice si tehnologice implicate in tehnica dentara, medicina dentara, optica electronica, investigatii invazive si noninvazive

Competențe și aptitudini de utilizare a calculatorului

Utilizare PC, Microsoft Office

Competențe și aptitudini artistice Pian

Alte competențe și aptitudini

Permis(e) de conducere Permis de conducere auto, categoria B

### Informații suplimentare

Activitatea de cercetare și competențele sale se situează în domeniul materialelor dentare și a tehnologiilor de realizare a protezelor, investigații imagistice în medicina dentară – tomografie optică de coerență, managementul proiectelor de cercetare științifică în medicina și farmacie, principiile și aplicațiile tomografiei optice de coerență, testări optice moderne, testări interferometrice, adezivi pentru adeziuni în optica, principiile difracției, interferometrie, holografie și elemente de difracție optică, articulatori, tehnologia de injectare a polimerilor, studii de simulare numerică, tehnologii de solidarizare și sudură (plasma, laser), tehnologii neconvenționale de investigare, analiză și prognostic în medicina dentară. A făcut parte din grupul de cercetare care a dezvoltat primul sistem de tomografie optică de coerență în domeniile Time Domain și Spectral Domain dedicat medicinei dentare din estul Europei. Are 602 lucrări științifice – 290 publicații (**174 listate în ISI Web of Science**) și 312 comunicări orale naționale și internaționale. Este autor și coautor a 21 de monografii și 6 cursuri, coautor al unui brevet OSIM acordat (RO 121317 B1/29.05.2009) și a trei propuneri de brevete OSIM. Conform **Web of Science**, **Indicele Hirsch este 11**. Numărul total de articole citate excluzând autocitățile este de 319, iar numărul de articole care citează excluzând autocitățile este 241. Adresa profilului researcherid.com este: <http://www.researcherid.com/rid/B-6974-2008>.

A fost membru în Comitetul de Management, reprezentând România, a **FP7 COST Action MP1005 NAMABIO** "From NANO to MACROBIOMaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine". (April 14, 2011-April 13, 2015) - [http://www.cost.eu/domains\\_actions/mpns/Actions/MP1005?management](http://www.cost.eu/domains_actions/mpns/Actions/MP1005?management)

A fost membru în Comitetul de Management, reprezentând România, a **FP7 COST Action FP1101** - *Assessment, Reinforcement and Monitoring of Structures* (22 November 2011- 21 November 2015) [http://www.cost.eu/COST\\_Actions/fps/Actions/FP1101?management](http://www.cost.eu/COST_Actions/fps/Actions/FP1101?management)

Este/a fost membra în echipele de cercetare a 11 granturi - la 3 dintre acestea fiind director de proiect și 1 responsabil de proiect:

1. Grant CNCSIS At 13/2005 - Elaborarea unei tehnologii și instalații de generare a protezelor parțiale fixe și studiul interfețelor acestora cu țesuturile dure dentare - Negruțiu Meda- Lavinia- director de proiect, perioada de desfășurare 2005-2006, valoare 95000 lei, finanțator UEFISCDI (CNCSIS)
2. Grant CEEX ET 41/2006, contract 1446/29.03.2006 - Tehnici neconvenționale de evaluare și optimizare a protezelor dentare - Negruțiu Meda-Lavinia - director de proiect, perioada de desfășurare 2006-2007, valoare 140000 lei, finanțator UEFISCDI (CEEX)
3. 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, Negruțiu Meda-Lavinia - director de proiect, perioada de desfășurare 2007-2008, valoare 192160 lei, finanțator UEFISCDI (CNCSIS)
4. Grant PNII Parteneriat 2011, code PN-II-PT-PCCA-2011-3.2-1682, contract 22/2012 - Optical Coherence Tomography (OCT) systems with handheld and endoscope probes for real-time investigations in material studies and for in vivo medical imaging (OCT-MSMI) – CO – Coordinator - Aurel Vlaicu University of Arad; Negruțiu Meda-Lavinia – responsabil de proiect pentru partenerul 3 (UMFVBT), perioada de desfășurare 2012-2016, valoare 1191300 lei (380000 lei/UMFVBT)

Este membră a:

ADEE, SPIE, OSA, Societatea Română de Biomateriale, Asociația de Cercetare Multidisciplinară din Zona de Vest a României, Societatea Română de Laseri în Stomatologie, Societatea Română de Informatică Medicală, Societatea Română de Medicină și Biologie, Societatea Română de Estetică Dentară

Anexe Lista de lucrări

# LISTA DE LUCRĂRI PROF. DR. MEDA-LAVINIA NEGRUȚIU

## 1. 10 Publicații relevante

1. Hategan, SI; Kamer, AR; Sinescu, C; Craig, RG; Jivanescu, A; Gavrilovici, AM; Negrutiu, ML, Periodontal disease in a young Romanian convenience sample: radiographic assessment, BMC ORAL HEALTH, Volume: 19, Article Number: 94, pg.1-8, DOI: 10.1186/s12903-019-0774-9, Published: MAY 29 2019, IF 2.048/2018 (*reprint author = autor principal; ultim autor = autor principal*)
2. Gavrilovici A. M., Anitas E. M., Chirigiu L., Bica I., Negrutiu M. L, Magnetodielectric Effects in Magnetorheological Elastomers Based on Polymer Fabric, Silicone Rubber and Magnetorheological Suspension, Research Article, Advances in Polymer Technology, Volume 2019, Article ID 1983547, 5 pages, <https://doi.org/10.1155/2019/1983547>, IF 2.663/2018 (*ultim autor = autor principal*)
3. Zaharia, C; Sinescu, C; Gabor, AG; Cojocariu, AC; Socoliuc, V; Szuhaneck, C; Negrutiu, ML, MicroCT Analysis of Dental Adhesives Loaded with Nanoparticles, REVISTA DE CHIMIE, Volume: 70, Issue: 5, Pages: 1769-1773, Published: MAY 2019, IF 1.605/2018 (*ultim autor = autor principal*)
4. Maroiu, AC; Sinescu, C; Negru, R; Marsavina, L; Bretean, ID; Duma, VF; Rominu, M; Bortun, CM; Negrutiu, ML, Evaluation of the Adhesion of a Novel Design of Veneers to Dental Materials, REVISTA DE CHIMIE, Volume: 68, Issue: 9, Pages: 2125-2128, Published: SEP 2017, IF 1.412/2017 (*ultim autor = autor principal*)
5. Crăciunescu EL, Boariu M, Ioniță C, Pop DM, Sinescu C, Romînu M, Negrutiu ML, Micro-CT and optical microscopy imaging investigations of root canal morphology, Rom J Morphol Embryol 2016, 57(3):1069–1073, IF 0,670/2016 (*ultim autor = autor principal*)
6. Marcauteanu, C; Bradu, A; Sinescu, C; Topala, FI; Negrutiu, ML; Podoleanu, AG, Quantitative evaluation of dental abfraction and attrition using a swept-source optical coherence tomography system, JOURNAL OF BIOMEDICAL OPTICS, 19 (2), Article Number: 021108, DOI: 10.1117/1.JBO.19.2.021108, feb 2014, IF 2,859/2014 (*autor principal - reprint author*)
7. Negrutiu ML, Sinescu C, Topală FI, Goguță L, Mărcăuțeanu C, Ogodescu A, Romînu M, Podoleanu AGh, Defectoscopy of denture polymers, MATERIALE PLASTICE , 49 (2), pg. 129-132, 2012, ISSN: 0025-5289, IF 0,379/2012 (*autor principal – prim autor*)
8. 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 Imaging Evaluation of Micro leakage between the Metallic Framework and Veneer Materials in Fixed Partial Prostheses, REV CHIM-Bucharest, 62 (12): 1185-1188, 2011, ISSN 0034-7752, IF 0,599/2011 (*autor principal – prim autor*)

9. Sinescu, C; Negruțiu, ML; Todea, C; Balabuc, C; Filip, L; Rominu, R; Bradu, A; Hughes, M; Podoleanu, AG - Quality assessment of dental treatments using en-face optical coherence tomography, JOURNAL OF BIOMEDICAL OPTICS 13 (5): Art no. 054065(1-8) , 2008, ISSN 1083-3668, IF 2,970/2008 (*autor principal - reprint author*)
10. Romînu M, Lakatos S, Florița Z, Negruțiu M, Investigation of microleakage at the interface between a Co-Cr based alloy and four polymeric veneering materials, THE JOURNAL OF PROSTHETIC DENTISTRY, volume 87, issue 6, 620-624, 2002, ISSN 0022-3913; IF 0.568/2002 (*ultim autor = autor principal*).

## 2. DOCTORAT. ABILITARE

### Titlul tezei de doctorat

"Optimizarea protezelor mobile prin procedee de injectare a polimerilor"  
 ("Optimization of removable dentures by polymer injecting procedures")

Conducătorul de doctorat: Prof.univ.dr.Dorin Bratu

Titlul științific obținut - DOCTOR în domeniul STOMATOLOGIE - prin ordinul MEC no. 5285 din 28.12.2001, diploma seria C Nr.0004178

### Titlul tezei de abilitare

" Alternative technologies and investigation methods in dentistry"

Confirmat ca și **conducător de doctorat în domeniul medicină dentară în urma obținerii atestatului de abilitare prin Ordinul Ministrului nr. 4898/18.08.2015**

## 3. Brevete OSIM (nationale) și cereri de brevet

1. brevet OSIM RO 121317 B1, eliberat în 29.05.2009 - PROCEDEU SI INSTALATIE PENTRU REALIZAREA PROTEZELOR DENTARE DIN BIOMATERIALE POLIMERICE - Bratu Dorin, Negrutiu Meda-Lavinia, Florita Serban Mihai, Racovicean Aurel, Florita Zeno Alexandru
2. cerere de brevet la OSIM RO 132373 A0 pentru inventia APARAT PORTABIL PENTRU MODELARE CU CEARĂ DENTARĂ – Krems Cristina, Sinescu Cosmin, Podariu Angela Codruta, Negrutiu Meda-Lavinia, Levai Mihaela Codrina, Cojocariu Andreea Codruța, Marcu Cristian, nr. înreg. a2017 00660, cerere publicată în 28.02.2018 în BOPI nr.2/2018
3. cerere de brevet la OSIM RO 131840 A8 pentru inventia FAȚETE DENTARE CRENELATE – Măroiu Alexandra, Sinescu Cosmin, Romînu Mihai, Negrutiu Meda-Lavinia, Rusu Laura Cristina, Levai Mihaela Codrina, nr. înreg. a2017 00028, cerere publicată în 30.05.2017 în BOPI nr.5/2017
4. cerere de brevet la OSIM pentru inventia METODĂ DE POZIȚIONARE CORECTĂ A PROTEZELOR PARȚIALE FIXE ÎN ZONA FRONTALĂ UTILIZÂND UN PARAMETRU

FONETIC.- Cosmin Sinescu, Meda Negruțiu, Gheorghe Drăgănescu, Dorin Dodenciu, Mihai Romînu, nr.inreg. a2006 00906

5. cerere de brevet la OSIM pentru inventia BANC FONETIC PENTRU POZIȚIONAREA CORECTĂ A PROTEZELOR PARȚIALE FIXE ÎN ZONA FRONTALĂ - Cosmin Sinescu, Meda Negruțiu, Gheorghe Drăgănescu, Dorin Dodenciu, Mihai Romînu, nr.inreg. a2006 00905
6. cerere de brevet la OSIM pentru inventia APARAT DE FREZARE ANALOGICA A PROTEZELOR DENTARE, Meda Negruțiu, Cosmin Sinescu, Mihai Rominu, Dorin Bratu, Zeno Florita - nr.inreg. 205022/2007

#### 4. Cărți, monografii

1. 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; 199 pg., ISBN 978-973-132-210-0.
2. 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; 163 pg., ISBN 978-973-132-196-7
3. Negruțiu Meda-Lavinia, Dental prostheses technology. Single unit restorations, EUROBIT Publishing House, Timișoara, 2013, 131 pg., ISBN 978-973-132-073-1
4. Romînu RO, Romînu M, Negruțiu M, Sinescu C, Pop DM, Petrescu E, Adeziunea amelară, ed. Victor Babeș Timișoara, 2011 (fara ISBN)
5. Mărcăuțeanu C., Bratu D., Stoica E.T., Negruțiu M., Sinescu C., Ianeș E., Lighezan R., Topală F., Goguță L., Jivănescu A., Moldovan M, Bruxismul – Actualități, Etiologie, Diagnostic și Tratament, Eurobit Timișoara, www.edituraeurobit.ro, 2010, 112 pg., ISBN 978-973-620-723-5
6. Bratu D, Bratu E, Antonie S, Bara NA, Baldea B, Chisevescu MB, Benghia V., Erimescu R., Bortun C, Fabricky M, Goguta L, Sallai AM, Sandu L, Jivanescu A, Marcauteanu C, Scurtu R., Negruțiu M, Topala FI, Pop DA, Borsanu IA, Maciu N, Restaurarea edentațiilor parțiale prin proteze mobilizabile, Editura Medicală, București, 2008, 1104 pg., ISBN 978-973-39-0636-0
7. Sinescu C., Negruțiu M.L., Sticlaru C, Davidescu A., Hlușcu M., Faur N., Resiga R., Romînu M. - Metode moderne de analiză și prognostic în medicina dentară, Editura Mirton, 2006, 304 pg., ISBN: [10] 973-52-0049-X; [13] 978-973-52-0049-7

8. Sinescu C., Negruțiu M. L., Drăgănescu G., Dodenciu D., Romînu M. - Investigații fonetice în medicina dentară, Editura Mirton, 2006, 207 pg., ISBN: [10] 973-52-0050-X; [13] 978-973-52-0050-7
9. Sinescu C., Negruțiu M. L., Negru R., Faur N., Romînu M. -Investigații de fotoelasticitate în medicina dentară, Editura Mirton, 2006, pg.199, ISBN [10] 973-52-0051-1; [13] 978-973-52-0051-0
10. Sinescu C., Negruțiu M. L., Romînu M., Leretter M. – Alternative tehnologice în medicina dentară, Editura Mirton, 2006, 187 pg., ISBN: [10] 973-52-0052-X; [13] 978-973-52-0052-7
11. Amariei C., Bratu E., Bratu C., Bratu E., Glăvan F., Gheorghescu M., Fleșer C., Negruțiu M., Ogodescu A., Popa M., Schiller E. - Practica pedodontică, ed. a 3-a revizuită și adăugită, sub redacția Prof.univ.dr. Elisabeta Bratu, Prof.univ.dr. Florica Glăvan, ed. Orizonturi Universitare, Timișoara, 2005, 435 pg., ISBN 973-638-203-6
12. Sandu L., Borțun C., Faur N., Negruțiu M. - Croșetele dentare turnate - alegere, proiectare și analiză numerică, ed. Eurobit, Timișoara, 2004, 247 pg., ISBN 973-631-133-3
13. Negruțiu M., Bratu C., Florita Z. - Materiale dentare in practica pedodontica, ed. Marineasa, Timisoara, 2004, 185 pg., ISBN973-551-012-X
14. Negruțiu M., Sinescu C., Florița Z., Sandu L. - Complete Denture Technology, ed. Marineasa, Timișoara, 2004, 203 pg., ISBN 973-631-133-3
15. Negruțiu M., Sinescu C., Sandu L., Florița Z., Romînu M., Guidelines of removable partial dentures technology, Ed. Marineasa, Timișoara, 2004, 332 pg., ISBN: 973-631-107-4
16. Romînu M., Bratu D., Florița Z., Lakatos S., Ianeș C., Negruțiu M., Materiale dentare. Noțiuni teoretice și aplicații clinice, Ed. Brumar, Timișoara, 2003, 486 pg., ISBN: 973-602-029-0
17. Bratu D., Ieremia L., Uram-Tuculescu S., Bortun C., Bratu E, Fabricky M, Goguta L., Jivanescu A., Leretter M, Marcautuanu C., Negruțiu M., Pricop M., Pricop N., Sabou R., Topala F., Tuchicovschi M., Karancsi O.L. – Bazele clinice si tehnice ale protezarii edentatiei totale, Ed. Imprimeria de Vest, Oradea 2003, 1051 pg., ISBN: 973-8195-71-3
18. Bratu D, Nussbaum R, Biris L, Bratu E, Fabricky M, Goguta L, Jivanescu A, Leretter M, Matekovits Ghe, Marcautuanu C, Negruțiu M., Pricop N, Rominu M, Sarbu I, Sabou R, Sandu L, Sinescu C, Soicu S, Trandafirescu M, Tudurescu F, Uram–Tuculescu S. Bazele clinice si tehnice ale protezarii fixe. ed. a 2-a, Editura Medicală, București, 2003.
19. Bratu D, Nussbaum R, Biris L, Bratu E, Fabricky M, Goguta L., Jivanescu A., Leretter M, Matekovits Ghe, Marcautuanu C., Negruțiu M., Pricop N., Rominu M, Sarbu I, Sabou R., Sandu L., Sinescu C, Soicu S, Trandafirescu M, Tudurescu F, Uram–Tuculescu S. Bazele



clinice si tehnice ale protezarii fixe. Editura Signata, Timisoara, 2001, 1251 pg., ISBN: 973-551-030-8

20. Ieremia L., Bratu D., Negrutiu M. - Metodologia de examinare in protetica dentara, Ed.Signata, Timisoara, 2000, 302 pg., ISBN: 973-551-012-X
21. Bratu D., Leretter M., Rominu M., Negrutiu M., Fabricky M. – Coroana mixta, ed.2, ed.Helicon Timisoara, 1998, 433 pg., ISBN: 973-574-481-3
22. Rominu M, Bratu D, Uram-Tuculescu S, Muntean M, Fabricky M, Colojoara C, Negrutiu M, Bratu E - Aparatul Dento-maxilar, Date de Morfologie Functionala Clinica, ed. Helicon, Timisoara, 1997, 930 pg., ISBN: 973-574-326-4
23. Fetzer W., Bratu D., Negrutiu M. - Simulatoare ADM si principiile functionale ale ocluziei - Baze teoretice si utilizare practica, monografie, Ed.Helicon, Timisoara, 1997, 188 pg., ISBN: 973-574-147-4

### **Cursuri Lito, îndreptare de lucrări practice**

24. Meda-Lavinia Negrutiu, 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.
25. Mihai Romînu, Sorin Uram-Țuculescu, Sorin Lakatos, Meda Negrutiu, Cosmin Sinescu, Marius Leretter, Morfologia funcțională clinică a aparatului dento-maxilar, Curs Lito UMF Timișoara, 2001.
26. Mihai Romînu, Zeno Florița, Roxana Moldovan, Sorin Lakatos, Meda Negrutiu, Cosmin Sinescu, Dinții umani-morfologie și modelaj, Curs Lito UMF Timișoara, 2001.
27. Mihai Romînu, Zeno Florița, Meda Negrutiu, Sorin Lakatos, Cosmin Sinescu, Îndreptar de lucrări practice de materiale dentare pentru studenții anului III Stomatologie, Lito UMFTimișoara, 2000.
28. Borțun Cristina, Uram-Tuculescu S., Negrutiu Meda, Indreptar de lucrari practice. Protezarea edentatiei totale, Lito UMF Timisoara, 1998
29. Bratu D., Negrutiu Meda, Simulatoarele ADM, curs, Lito UMFT, 1994

### **5. Articole (altele decât cele de la punctul 1) publicate in reviste cotate ISI (cu Factor de Impact > 0)**

1. Stan, AT; Cirligeriu, L ; Idorasi, L; Negrutiu, ML; Sinescu, C; Pop, DM; Hajaj, T; Talpos, S; Rominu, M, Marginal and Internal Adaptation Evaluation of Dental Composites Using Micro-CT, ADVANCES IN MATERIALS SCIENCE AND ENGINEERING, Volume: 2019,



2. Zaharia C., Sinescu C., Gabor A.G., Socoliuc V., Talpos S, Hajaj T., Sfirloaga P., Oancea R., Miclau M., Negrutiu M.L., Influences of Polymeric Magnetic Encapsulated Nanoparticles on the Adhesive Layer for Composite Materials Used for Class I Dental Fillings, MATERIALE PLASTICE, Volume: 56; Issue: 2, Pages: 399-404, Published: JUN 2019, IF 1.393/2018  
*(ultim autor = autor principal)*
3. Oancea R., Zaharia C, Gabor A.G., Sinescu C, Mioc M., Berceanu Vaduva D., Simon C.P., Socoliuc V., Rominu M., Negrutiu M.L., Imagistic Analysis of Dental Adhesives Loaded with Nanoparticles Used on Teeth Sealing of Pits and Fissures with Resin Based Materials, MATERIALE PLASTICE, Volume: 56; Issue: 2, Pages: 449-453, Published: JUN 2019, IF 1.393/2018 *(ultim autor = autor principal)*
4. Togoe, MM; Andreea-Codruta, C; Modiga, C; Sinescu, C; Duma, VF; Negrutiu, ML, Modern approaches of analysis and treatment of endodontic lesions using the endoscope and the optical coherence tomography, ROMANIAN JOURNAL OF ORAL REHABILITATION, Volume: 11, Issue: 1, Pages: 38-51, Published: JAN-MAR 2019 *(ultim autor = autor principal)*
5. Andreea-Codruta, C; Sonia, NC; Christa, S; Cristina, M; Mihai, TM; Jivănescu, A.; Negrutiu, ML; Duma, VF; Podoleanu, AG; Cosmin, S, Analysis of modern digital impression technologies – review, ROMANIAN JOURNAL OF ORAL REHABILITATION, Volume: 11, Issue: 1, Pages: 25-31, Published: JAN-MAR 2019
6. Stan, AT; Vaduva, A; Negrutiu, ML; Sinescu, C; Szuhaneck, C; Rogobete, A; Muntean, D; Talpos, S; Duma, VF; Idorasi, L; Hajaj, T; Rominu, M, Evaluation of Dental Composite Resin Interface and Adhesion Using Laser Scanning Confocal Microscopy, MATERIALE PLASTICE, Volume: 55, Issue: 4, Pages: 541-544, Published: DEC 2018, IF 1.393/2018
7. Golban, DM; Negru, R; Szuhaneck, C; Negrutiu, ML; Marsavina, L; Duma, VF; Sinescu, C; Porojan, L, Flash-Free Orthodontic Adhesive System Bonded on CAD/CAM Produced Resin Restorations, MATERIALE PLASTICE, Volume: 55, Issue: 4, Pages: 606-608, Published: DEC 2018, IF 1.393/2018
8. Szuhaneck, C; Golban, DM; Negru, R; Negrutiu, ML; Marsavina, L; Duma, VF; Sinescu, C; Porojan, L, Flash-Free Orthodontic Adhesive System Compared with the Conventional Direct Bonding Method, REVISTA DE CHIMIE, Volume: 69, Issue: 11, Pages: 4093-4095, Published: NOV 2018, IF 1.605/2018
9. Pop, DA; Malaescu, R; Marsavina, L; Hosszu, T; Rotar, R; Goguta, L; Duma, VF; Negrutiu, ML; Sinescu, C; Jivanescu, A, Fracture Resistance of CAD/CAM Versus Traditional Interim

Fixed Dental Prostheses, MATERIALE PLASTICE, Volume: 55 Issue: 3 Pages: 361-363,  
Published: SEP 2018, IF 1.393/2018

10. Gabor, A; Zaharia, C; Todericiu, V; Szuhaneck, C; Cojocariu, AC; Duma, VF; Sticlaru, C; Negrutiu, ML; Antoniac, IV; Sinescu, C, Adhesion of Scaffolds with Implants to the Mandibular Bone with a Defect, MATERIALE PLASTICE, Volume: 55, Issue: 3, Pages: 393-397, Published: SEP 2018, IF 1.393/2018
11. Szuhaneck, C; Nagib, R; Sinescu, C; Negrutiu, ML; Manea, N; Buzatu, R; Dumitrescu, S; Mesaros, A; Cocîr, R; Schiller, E; Sarbu, A, Orthodontic Mini-Implants Hybrid Expanders in Palatal Expansion, REVISTA DE CHIMIE, Volume: 69, Issue: 7, Pages: 1905-1906, Published: JUL 2018, IF 1.605/2018
12. Nagib, R; Szuhaneck, C; Moldoveanu, B; Negrutiu, ML; Duma, VF; Sinescu, C; Brad, S, Dimensional Study of Impacted Maxillary Canine Replicas 3D Printed Using Two Types of Resin Materials, MATERIALE PLASTICE, Volume: 55, Issue: 2, Pages: 190-191, Published: JUN 2018, IF 1.393/2018
13. Horhat, RM; Vlaicu, B; Bagiu, R; Putnoky, S; Bagiu, I; Horhat, DI; Szuhaneck, C; Sinescu, C; Negrutiu, ML; Nica, L, A Ten-year Time Laps, Regarding Drug Consumption in the Western Part of Romania, REVISTA DE CHIMIE, Volume: 69, Issue: 6, Pages: 1371-1375, Published: JUN 2018, IF 1.605/2018
14. Hajaj, T; Talpos, S; Stoian, C; Negrutiu, ML; Szuhaneck, C; Popa, M; Stan, AT; Zaharia, C; Hajaj, KR; Licker, M; Muntean, D; Ianes, E; Sinescu, C, Determining the Biological Sealing Quality of the Implant-abutment Interface Using Streptococcus mutans in Both, Conical and Internal Hex Connections A comparative study, REVISTA DE CHIMIE, Volume: 69. Issue: 6, Pages: 1429-1430, Published: JUN 2018, IF 1.605/2018
15. Nagib, R; Zogorean, R; Gavriliuc, OI; Szuhaneck, C; Moldoveanu, B; Negrutiu, ML; Sinescu, C; Paunescu, V; Brad, S, Cytotoxicity Assessment of Metal and 3D Printed Resin Orthodontic Attachments An in vitro cell culture behavior study, REVISTA DE CHIMIE, Volume: 69, Issue: 6, Pages: 1515-1518, Published: JUN 2018, IF 1.605/2018
16. Talpos, S; Hajaj, T; Timofte, C; Rivis, M; Streian, F; Popa, M; Sinescu, C; Negrutiu, ML; Stan, A; Zaharia, C; Szuhaneck, C; Ianes, E; Pricop, M, Implant Surgery Using Bio-compatible Guides, MATERIALE PLASTICE, Volume: 55, Issue: 1, Pages: 38-41, Published: MAR 2018, IF 1.393/2018
17. Nagib, R; Szuhaneck, C; Moldoveanu, B; Negrutiu, ML; Sinescu, C; Brad, S, Custom Designed Orthodontic Attachment Manufactured Using a Biocompatible 3D Printing Material, MATERIALE PLASTICE, Volume: 54, Issue: 4, Pages: 757-758, Published: DEC 2017, IF 1.248/2017

18. Rosianu, RS; Podariu, AC; Negrutiu, ML; Szuhaneck, C; Sinescu, C, Low Viscosity Resin Penetration Degree in Incipient Caries Lesions, REVISTA DE CHIMIE, Volume: 68, Issue: 11, Pages: 2588-2592, Published:NOV 2017, IF 1.412/2017
19. Hajaj, T; Talpos, S; Ianes, E; Candea, A; Neagu, A; Szuhaneck, C; Negru, R; Negrutiu, ML; Sinescu, C, Detecting the Implant in vitro Microleakage Using Spectrophotometry and Neutral Red Dye, REVISTA DE CHIMIE, Volume: 68, Issue: 9, Pages: 2151-2154, Published:SEP 2017, IF 1.412/2017
20. Manole, M; Berece, C; Florea, A; Burde, AV; Sinescu, C; Negrutiu, ML; Szuhaneck, C; Baci, S, Marginal Fit Evaluation Trough Micro-CT Technology of Pressed vs Milled Ceramic Inlays, REVISTA DE CHIMIE, Volume: 68 Issue: 8 Pages: 1919-1922, Published: AUG 2017, IF 1.412/2017
21. Baci, S; Berece, C; Florea, A; Burde, AV; Negrutiu, ML; Szuhaneck, C; Sinescu, C; Duma, VF; Manole, M, A Comparative Three- and Bi-dimensional Research of the Marginal Fit of Pressed Lithium Disilicate Inlays, REVISTA DE CHIMIE, Volume: 68 Issue: 6 Pages: 1316-1319, Published:JUN 2017, IF 1.412/2017
22. Sinescu, C; Bradu, A; Duma, VF; Topala, F; Negrutiu, M; Podoleanu, AG, Effects of Temperature Variations during Sintering of Metal Ceramic Tooth Prostheses Investigated Non-Destructively with Optical Coherence Tomography, APPLIED SCIENCES-BASEL, Volume: 7, Issue: 6, Article Number: 552, DOI: 10.3390/app7060552, Published:JUN 2017, IF 1.689/2017
23. Gabor, A; Hosszu, T; Zaharia, C; Kozma, A; Cojocariu, AC ; Negrutiu, ML; Szuhaneck, C; Sinescu, C, 3D Printing of a Mandibular Bone Deffect, MATERIALE PLASTICE, Volume: 54, Issue: 1, Pages: 29-31, Published:MAR 2017, IF 1.248/2017
24. Szuhaneck C ; Jianu, R; Cocora RO; Negrutiu, M; Sinescu, C; Clonda, CS; Schiller, E; Grigore, A, Popa, A; Effects of Alumina Sand Blasting on the Orthodontic Bracket Surface, REVISTA DE CHIMIE, Volume: 67 Issue: 12 Pages: 2605-2606, Published: DEC 2016, IF 1.232/2016
25. Szuhaneck C ; Jianu, R; Circiumaru, L; Negrutiu, M; Sinescu, C; Clonda, CS; Schiller, E; Popa, A; Grigore, A, Microstructural Changes in Orthodontic Arch-wires after Alternative Bending Techniques, REVISTA DE CHIMIE, 67(11): 2363-2364, NOV 2016, IF 0,956/2015
26. Craciunescu, E; Sinescu, C; Negrutiu, ML; Pop, DM; Lauer, HC; Rominu, M; Hutiu, G; Bunoiu, M; Duma, VF; Antoniac, I, Shear bond strength tests of zirconia veneering ceramics after chipping repair, JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, 30 (6): 666-676, MAR 2016, IF 1,073/2016
27. Rosianu, RS; Sinescu, C; Negrutiu, ML; Hosszu, T; Tudor, A; Podariu, AC, Microscopic Assessment of the Enamel Etching Pattern According to Different Etching Times Using Orthophosphoric Acid Gels, MATERIALE PLASTICE, 53(1): 153-156, MAR 2016, IF

28. Oancea, R; Bradu, A; Sinescu, C; Negru, RM; Negrutiu, ML; Antoniac, I; Duma, VF; Podoleanu, AG, Assessment of the sealant/tooth interface using optical coherence tomography, JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, ian 2015, 29 (1), pg: 49-58, DOI: 10.1080/01694243.2014.974879, IF 0,863/2015 (*autor principal - All authors equally contributed to the work*)
29. Cîrligeriu, L; Sinescu, C; Boariu, M; Negrutiu, ML; Nica, L, The Importance of Early Diagnosis for Hydroxyapatite Remineralisation in Enamel Caries, REVISTA DE CHIMIE, 66(9): 1477-1479, APR 2015, IF 0,956/2015
30. Pop, DM; Negrutiu, ML; Cojocariu, AC; Craciunescu, EL; Pirte, A; Sinescu, C, Metal Polymer Interfaces-Assessment in Dentistry, REVISTA DE CHIMIE, 66(4): 575-577, APR 2015, IF 0,956/2015
31. Rusu, LC; Pirte, A; Bortun, CM; Hoinoiu, B; Podariu, AC; Ardelean, L; Negrutiu, ML; Sinescu, C; Ples, H, Properties of Biomaterials in Bone Augmentation, REVISTA DE CHIMIE, 66(3): 396-399, MAR 2015, IF 0,956/2015
32. Krems, C; Sinescu, C; Freiman, PC; Cojocariu, AC; Negrutiu, ML; Podariu, CA, Evaluation of Marginal Adaptation of Fix Partial Prosthesis to Polymeric Abutments, MATERIALE PLASTICE, 52(1): 36-38, MAR 2015, 0,903/2015
33. Rusu, LC; Pirte, A; Bortun, CM; Hoinoiu, B; Podariu, AC; Ardelean, L; Negrutiu, ML; Sinescu, C; Ples, H, Customized Tissue Engineering Scaffold using Rapid Prototyping Technique in Rat Bone Augmentation, REVISTA DE CHIMIE, 66(2): 233-235 (2015), IF 0,956/2015
34. Duma, VF; Dobre, G; Demian, D; Cernat, R; Sinescu, C; Topala, FI; Negrutiu, ML; Hutiu, G; Bradu, A; Podoleanu, AG, Handheld scanning probes for optical coherence tomography, ROMANIAN REPORTS IN PHYSICS, 67 (4): 1346-1358, 2015, IF 1,367/2015
35. Rusu, LC; Nedelcu, IA ; Albu, MG; Sonmez, M ; Voicu, G ; Radulescu, M; Ficai, D; Ficai, A; Negrutiu, ML ; Sinescu, C, Tetracycline Loaded Collagen/Hydroxyapatite Composite Materials for Biomedical Applications, JOURNAL OF NANOMATERIALS, Article Number: 361969, DOI: 10.1155/2015/361969, Published: 2015, IF 1,758/2015
36. Canjau, S; Todea, C; Negrutiu, ML; Sinescu, C; Topala, FI; Marcauteanu, C ; Manescu, A ; Duma, VF ; Bradu, A; Podoleanu, AG Optical Coherence Tomography for Non-Invasive ex vivo Investigations in Dental Medicine - a Joint Group Experience (Review), SOVREMENNYE TEHNOLOGII V MEDICINE Volume: 7 Issue: 1 Pages: 97-114 Published: 2015, IF 0
37. Sinescu, C; Negrutiu, ML; Bradu, A; Duma, VF; Podoleanu, AG, Noninvasive Quantitative Evaluation of the Dentin Layer during Dental Procedures Using Optical Coherence Tomography, COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE, Article Number: 709076 (2015), IF 0,887/2015

38. Rominu, M; Manescu, A ; Sinescu, C; Negrutiu, ML; Topala, F; Rominu, RO; Bradu, A; Jackson, DA; Giuliani, A; Podoleanu, AG, Zirconia enriched dental adhesive: A solution for OCT contrast enhancement. Demonstrative study by synchrotron radiation microtomography, DENTAL MATERIALS, 30 (4): 417-423, DOI: 10.1016/j.dental.2014.01.004, apr 2014, IF 3,769/2014
39. Boariu, M; Marinescu, A; Krlev, A; Clonda, C; Negrutiu, ML; Sinescu, C, Free Radicals and Oxidative Stress in Periodontal Disease, REVISTA DE CHIMIE, 65(12): 1477-1479, dec 2014, IF 0,810/2014
40. Rusu, LC; Bortun, CM; Hoinoiu, B; Negrutiu, ML; Ardelean, L; Podariu, AC; Sinescu, C, Low Intensity Pulsed Ultrasound for Bone Augmentation A Synchrotron Radiation X-Ray micro-CT evaluation, REVISTA DE CHIMIE, 65(12): 1495-1497, dec 2014, IF 0,810/2014
41. Craciunescu, MC; Negrutiu, ML; Hoge, E; Freiman, PC; Boariu, M; Craciunescu, E; Sinescu, C, Bacteriostatic Effect of Silver Nanoparticles over Acrylic Resin and Composite Dental Materials, MATERIALE PLASTICE, 51(4): 414-416, dec 2014, IF 0,828/2014
42. Craciunescu, EL; Sticlaru, C; Seche, E; Freiman, PC; Sinescu, C; Negrutiu, ML, Numerical Simulation of Polymeric Removable Partial Dentures, MATERIALE PLASTICE, 51(3): 275-278, sep 2014, IF 0,828/2014
43. Pop, DM; Negrutiu, ML; Craciunescu, E; Seche, E; Freiman, PC; Sinescu, C, AFM Investigation of Metal-Composite Resin Interfaces, MATERIALE PLASTICE, 51(3): 293-295, sep 2014, IF 0,828/2014
44. Krems, C; Sinescu, C ; Freiman, P; Cojocariu, AC; Negrutiu, ML; Podariu, CA, Influence of Different Coloured Solutions on Some Plastics used for Prosthetic Restoration Materials, MATERIALE PLASTICE, 51(3): 328-330, sep 2014, IF 0,828/2014
45. Sinescu, C; Rusu, LC; Seche, E; Freiman, PC; Craciunescu, EL; Negrutiu, ML, An Imagistic Approach on Resin Composite Class I Dental Fillings with Improved Adhesive with Ferric Nanoparticles, MATERIALE PLASTICE, 51 (3): 336-339, sep 2014, IF 0,828/2014
46. Craciunescu, MC; Craciunescu, EL; Sinescu, C; Rusu, LC; Licker, M ; Hoge, E; Negrutiu, ML, Silver Nanoparticles Bacteriostatic Effect over Dentures Infected with Candida Albicans, REVISTA DE CHIMIE, 65(9): 1067-1071, sep 2014, IF 0,810/2014
47. Rusu, LC; Seche, E; Freimann, PC; Hoinoiu, B; Negrutiu, ML; Ardelean, L; Sinescu, C, Synchrotron Radiation X-Ray micro-CT evaluation of Bone Augmentation, REVISTA DE CHIMIE, 65 (9): 1114-1116, sep 2014, IF 0,810/2014
48. Demian, D; Duma, VF; Sinescu, C; Negrutiu, ML; Cernat, R; Topala, FI; Hutiu; Bradu, A; Podoleanu, AG, Design and testing of prototype handheld scanning probes for optical coherence tomography, PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART H-JOURNAL OF ENGINEERING IN MEDICINE, 228 (8): 743-753, DOI: 10.1177/0954411914543963, aug 2014, WOS Document Type:Article, IF 1,329/2014

49. Sinescu, C; Timofte, C; Stan, AT; Cojocariu, AC; Eremia, C; Freiman, PC; Miladinov, M; Negrutiu, ML; Stratul, SI, Dimensional Changes Approach Alginate Impressions, REVISTA DE CHIMIE, 65 (8): 983-985, aug 2014, IF 0,810/2014
50. Seche, E ; Craciunescu, EL; Sinescu, C; Negrutiu, ML; Leretter, M; Rominu, M, Imagistic Evaluaion of the Polymeric Fixed Partial Prosthesis, MATERIALE PLASTICE, 51(2): 221-224, jun 2014, IF 0,828/2014
51. Marcauteanu, C; Stoica, ET; Bortun, C; Negrutiu, ML; Sinescu, C; Tudor, A, Advantages of a Polyethylene Terephthalate Glycol-modified Coated with a Thermoplastic Polyurethane as an Occlusal Appliance Material, REVISTA DE CHIMIE, 65 (6): 734-736, jun 2014, IF 0,810/2014
52. Tampa, M; Matei, C; Georgescu, SR; Poteca, T; Sinescu, C; Topala, FI; Negrutiu, ML; Podoleanu, A, Time Domain Optical Coherence Tomography Evaluation of the Human Skin, REVISTA DE CHIMIE, 64 (5): 557-558, 2013, ISSN 0034-7752, IF 0,677/2013
53. Petrescu EL, Rominu M, Negrutiu ML, Sinescu C, Fabricky M, Ardelean L, Rusu LC, Topală FI, AFM Analysis of Conditioned IPS Empress Ceramic Core, REV CHIM – Bucharest, vol.63 (6), 584-586, 2012, ISSN 0034-7752, IF 0,538/2012 (*autor principal - reprint author*)
54. Marcauteanu C, Negrutiu ML, Ardelean L, Rusu LC, Podoleanu AGh., Evaluation of the Prognosis of Compomer Class V Restorations through en face Optical Coherence Tomography, REV CHIM – Bucharest, vol.63, nr.5, 545-547, 2012, ISSN 0034-7752, IF 0,538/2012 (*autor principal - reprint author*)
55. Manole, M; Sinescu, C; Negrutiu, ML; Ardelean, L; Dudea, D; Rominu, M, Biomechanical Evaluation of a Metal Polymeric Fixed Partial Prosthesis with Different Periodontal Support, MATERIALE PLASTICE , 49 (3), pg. 163-165, 2012, ISSN: 0025-5289, IF 0,379/2012 (*reprint author*)
56. Cires, DN; Sinescu, C; Dodenciu, D; Ardelean, L; Negrutiu, ML; Halga, AD; Rominu, M, Plastination in Dentistry: Methods and Polymers, MATERIALE PLASTICE , 49 (3), pg. 196-197, 2012, ISSN: 0025-5289, IF 0,379/2012
57. Rominu, RO; Popa, M; Sinescu, C; Negrutiu, ML; Pop, DM; Rusu, LC; Rominu, M; Topala, F; Podoleanu, AG, The Use of Spectral Domain Optical Coherence Tomography in Orthodontics, MATERIALE PLASTICE , 49 (2), pg. 99-100, 2012, ISSN: 0025-5289, IF 0,379/2012
58. Fabricky M, Todea C, Sinescu C, Negrutiu ML, Ardelean L, Petrescu EL, Bratu C, Topala FI, Podoleanu AGh, Bratu EA, Integral Ceramic Inlay Evaluation by Time Domain Optical Coherence Tomography, REV CHIM – Bucharest, vol.63 (6), pg. 633-635, 2012, ISSN 0034-7752, IF 0,538/2012

59. Manole M, Sinescu C, De Sabata A, Negrutiu ML, Bratu C, Rusu LC, Stratul S, Rominu M, Duda D, Borzea D, Gingival Margins Retractions Evaluated by Holographic Methods, REV CHIM – Bucharest, vol.63 (6), pg. 626-628, 2012, ISSN 0034-7752, IF 0,538/2012
60. Sinescu C, Marsavina L, Negrutiu ML, Rusu LC, Ardelean L, Rominu M, Antoniac I, Topală FI, Podoleanu AGh, New Metallic Nanoparticles Modified Adhesive Used for Time Domain Optical Coherence Tomography Evaluation of Class II Direct Composite Restoration, REV CHIM – Bucharest, vol.63, nr.4, 380-383, 2012, ISSN 0034-7752, IF 0,538/2012 (*autor principal - reprint author*)
61. Romînu RO, Negrutiu M, Rusu LC, Ardelean L, Tudor A, Romînu M, The influence of hydrogen peroxyde treatment on the bond strength of orthodontic brackets on human enamel, REV CHIM – Bucharest, vol.63, nr.2, 265-267, 2012, ISSN 0034-7752, IF 0,538/2012
62. Petrescu EL, Rominu M, Negrutiu ML, Sinescu C, Fabricky M, Ardelean L, Rusu LC, Topală FI, Comparative and Non-invasive Study of Two Different Ceramic Materials, REV CHIM – Bucharest vol.63, nr.2, 179-181, 2012, ISSN 0034-7752, IF 0,538/2012 (*autor principal - reprint author*)
63. Sinescu C, Negrutiu ML, Rominu RO, Rusu LC, Topala FI, Rominu M, Ardelean L, Podoleanu AGh, Time Domain Optical Coherence Tomography Evaluation of Polymeric Fixed Partial Prostheses, MATERIALE PLASTICE, 49 (1): 58-61, 2012, ISSN: 0025-5289, IF 0,379/2012
64. 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, 2011, ISSN 0034-7752, IF 0,599/2011
65. Sinescu C, Marsavina L, Negrutiu ML, Rusu LC, Ardelean L, Ionita C, Podoleanu AGh, Romînu M, Topala FI, Confocal Microscopy Combined with Time Domain Optical Coherence Tomography and Micro Computer Tomography in Interface Evaluation of Class II Direct Composite Restoration, REV CHIM-BUCHAREST, 62 (10): 1039-1041, 0034-7752, 2011, ISSN 0034-7752, IF 0,599/2011 (*autor principal - reprint author*)
66. 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, 2011, ISSN 0034-7752, IF 0,599/2011
67. 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, 2011, ISSN 0034-7752, IF 0,599/2011
68. Rusu LC, Ardelean L, Negrutiu ML, Dragomirescu AO, Albu MG, Ghica MV, Topala FI, Podoleanu A, Sinescu C, SEM for the General Structural Features Assesing of the Synthetic Polymer Scaffolds, REV CHIM-BUCHAREST, 62 (8): 841 – 845, 0034-7752, 2011, ISSN 0034-7752, IF 0,599/2011 (*autor principal - reprint author*)



69. Todea C, Bălăbuc C, Sinescu C, Filip L, Kerezsi C, Călniceanu M, Negrutiu M, Bradu A, Hughes M, Podoleanu A, En face optical coherence tomography investigation of apical microleakage after laser-assisted endodontic treatment, LASERS IN MEDICAL SCIENCE, vol. 25, nr.5, 629-639, 2010, ISSN: 0268-8921, IF 2,311/2010
70. Sinescu C, Draganescu G, Dodenciu D, Negrutiu M, Romînu M, Quantitative Parameters which Describes Speech Sounds Distortions due to Inadequate Dental Mounting, PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS, 387 (5-6): 1205-1217, 2008, ISSN: 0378-4371, IF 1,441/2008
71. Lakatos S, Romînu M, Negrutiu M, Florița Z, The microleakage between alloy and polymeric materials in veneer crowns, QUINTESENCE INTERNATIONAL, volume 34, number 4, 295-300, 2003., ISSN: 0033-6572, IF 0.572/2003

## 6. Proceedings paper publicate în volume ISI (listate pe Web of Science)

1. Gavrilovici, AM; Jivanescu, A; Hategan, S ; Negrutiu, ML, Day by day usage of lasers in dental offices, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 1083104, DOI: 10.1117/12.2280130, Published: 2018 (*ultim autor = autor principal*)
2. Abuabboud, L; Nica, L ; Orel, L; Puscus, S; Negrutiu, ML; Sinescu, C; Podoleanu, AG, Modern Evaluation of the Quality of the Techniques of Root Canal Dental Obturation, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 108310T, DOI: 10.1117/12.2286452, Published: 2018
3. Cirligeriu, LE; Stan, AT; Rominu, M; Marinescu, A; Boariu, M; Vaduva, A; Negrutiu, ML; Sinescu, C; Duma, VF; Nica, L, Evaluation of Biodentine - Tooth Structures Interfaces using Laser Scanning Confocal Microscopy, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 108310Q, DOI: 10.1117/12.2282652, Published: 2018
4. Marcautuanu, C; Sinescu, C; Toader, M; Negrutiu, ML; Mitroi, FE; Stoica, ET; Topala, F; Duma, VF; Bradu, A; Podoleanu, AG, Biomimetic Tizian "table tops" analyzed with swept source optical coherence tomography, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 108310M, DOI: 10.1117/12.2282407, Published: 2018
5. Maroiu, AC; Rominu, M; Sinescu, C; Negrutiu, ML; Topala, F; Duma, VF; Bradu, A; Podoleanu, AG, Optoelectronic evaluation of indirect dental veneers interfaces, SEVENTH

INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 108310O, DOI: 10.1117/12.2282648, Published: 2018

6. Mitroi, FE; Sinescu, C; Marcautuanu, C; Muntean, D; Negrutiu, ML; Stoica, ET; Topala, F; Stan, A; Vaduva, A; Duma, VF, Confocal laser scanning microscopy versus digital microscopy in the analysis of the marginal adaptation of Tizian overlays, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 108310N, DOI:10.1117/12.2282427, Published: 2018
  
7. Szuhaneck, C; Sinescu, C; Todea, C; Pop, O; Duma, VF; Topala, F; Rominu, M; Negrutiu, ML; Bradu, A; Podoleanu, AG, Optical Coherence Tomography study regarding the enamel structure before and after debonding, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE, Edited by:Todea, DC; Podoleanu, AG; Duma, VF, Book Series: Proceedings of SPIE, Volume: 10831, Article Number: UNSP 108310P, DOI: 10.1117/12.2282650, Published: 2018
  
8. Sinescu, C; Bradu, A; Duma, VF; Topala, FI; Negrutiu, ML; Podoleanu, AG, Temperature variations in sintering ovens for metal ceramic dental prostheses. Non-destructive assessment using OCT, LASERS IN DENTISTRY XXIV, Edited by:Rechmann, P; Fried, D, Book Series: Proceedings of SPIE, Volume: 10473, Article Number: UNSP 104730C, DOI: 10.1117/12.2289162, Published:2018
  
9. Cosmin, S; Barua, S; Topala, FI; Negrutiu, ML; Duma, VF; Gabor, AG; Cristian, Z; Bradu, A; Podoleanu, AG, Dental Impression Technique Using Optoelectronic Devices, 2ND CANTERBURY CONFERENCE ON OCT WITH EMPHASIS ON BROADBAND OPTICAL SOURCES, Edited by:Podoleanu, A; Bang, O, Book Series: Proceedings of SPIE, Volume: 10591, Article Number: UNSP 105910M, DOI: 10.1117/12.2281775, Published:2018
  
10. Idorasi, L; Secosan, SA; Ogorescu A Sinescu, C; Zaharia, C; Stan, AT; Podoleanu, AG, Negrutiu, ML, New ways of combating demineralization - link between classic and allopathic medicine, 2ND CANTERBURY CONFERENCE ON OCT WITH EMPHASIS ON BROADBAND OPTICAL SOURCES, Edited by:Podoleanu, A; Bang, O, Book Series: Proceedings of SPIE, Volume: 10591, Article Number: UNSP 105910K, DOI: 10.1117/12.2281725, Published:2018
  
11. Todor, R; Negrutiu, ML; Sinescu, C; Topala, FI ; Bradu, A; Duma, VF; Rominu, M; Podoleanu, AG, Investigation of firing temperature variation in ovens for ceramicfused-to-metal dental prostheses using swept source optical coherence tomography, 2ND CANTERBURY CONFERENCE ON OCT WITH EMPHASIS ON BROADBAND OPTICAL SOURCES, Edited by:Podoleanu, A; Bang, O, Book Series: Proceedings of SPIE, Volume: 10591, Article Number: UNSP 105910I, DOI: 10.1117/12.2281892, Published:2018
  
12. Sinescu, C; Duma, VF; Canjau, S; Dobre, G; Demian, D; Cernat, R; Negrutiu, ML; Todea, C; Topala, FI; Hutiu,; Bradu, A; Podoleanu, AG, Dentistry investigations of teeth and dental prostheses using OCT, BIOPHOTONICS: PHOTONIC SOLUTIONS FOR BETTER

HEALTH CARE V, Proceedings of SPIE, Volume: 9887, Article Number: UNSP 98870B, DOI: 10.1117/12.2227443, Conference on Biophotonics - Photonic Solutions for Better Health Care V, Brussels, BELGIUM, APR 04-07, 2016, Published: 2016

13. Negrutiu, ML; Sinescu, C; Bortun, CM, Levai, MC; Topala, FI; Craciunescu, EL; Cojocariu, AC; Duma, VF; Podoleanu, AG, Assessment of Dental Plaque by Optoelectronic Methods, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 96700W, DOI: 10.1117/12.2191640, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016 (*prim autor = autor principal*).
14. Dughir, C; Popovschi, AM ; Cojocariu, AC; Topala, FI; Negrutiu, ML; Sinescu, C; de Sabata, A; Duma, VF, Complete Denture Base Assessments using Holograms: Dimensional Alterations after Different Activation Methods, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 967013, DOI: 10.1117/12.2191886, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
15. Duma, VF; Demian, D; Sinescu, C; Cernat, R; Dobre, G; Negrutiu, ML; Topala, FI; Hutiu, G; Bradu, A; Podoleanu, AG, Handheld scanning probes for Optical Coherence Tomography: Developments, applications and perspectives, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 96700V, DOI: 10.1117/12.2178590, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
16. Gabor, A; Jivanescu, A; Zaharia, C; Hategan, S; Topala, FI; Levai, MC; Negrutiu, ML; Sinescu, C; Duma, VF; Bradu, A; Podoleanu, AG; OCT evaluation of single ceramic crowns: Comparison between conventional and chair-side CAD/CAM technologies, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 96700Z, DOI: 10.1117/12.2191907, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
17. Hategan, S; Gabor, A; Zaharia, C; Sinescu, C; Negrutiu, ML; Jivanescu, A, Influence of scanning system and dentist's level of training in the accuracy of digital impressions, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 967014, DOI: 10.1117/12.2189683, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
18. Marcauteanu, C; Sinescu, C; Negrutiu, ML; Stoica, ET; Topala, F; Duma, VF; Bradu, A; Podoleanu, AG, Evaluation of Tizian overlays by means of a swept source optical coherence tomography system, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 96700X, DOI: 10.1117/12.2191905, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry /

6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016

19. Stan, AT; Cojocariu, AC; Antal, AA; Topala, F; Sinescu, C; Negrutiu, ML; Duma, VF; Podoleanu, AG, Marginal integrity evaluation of dental composite using optical coherence tomography, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: 967012, DOI: 10.1117/12.2192855, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
20. Stoica, ET; Marcautuanu, C; Sinescu, C; Negrutiu, ML; Topala, F; Duma, VF; Bradu, A; Podoleanu, AG, All ceramic "table tops" analyzed using swept source optical coherence tomography, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: UNSP 967011, DOI: 10.1117/12.2191909, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
21. Zaharia, C; Gabor, A; Sinescu, C; Topala, FI; Negrutiu, ML; Levai, MC; Duma, VF; Bradu, A; Podoleanu, AG, OCT and shear-force evaluations of Zirconia Fixed Partial Prosthesis processed with a conventional CAD/CAM technology, HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES; Proceedings of SPIE, Volume: 9670, Article Number: UNSP 967010, DOI: 10.1117/12.2192980, Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine, Bucharest, ROMANIA, MAY 07-09, 2015Published: 2016
22. Duma, VF; Dobre, G; Demian, D; Cernat, R; Sinescu, C; Negrutiu, ML; Hutiu, G; Bradu, A; Rolland, JP; Podoleanu, A, Constructive solutions of handheld probes with galvanometer scanners for biomedical and industrial imaging. Applications in OCT, OPTIFAB 2015, Proceedings of SPIE, Volume: 9633, Article Number: 96330Q, DOI: 10.1117/12.2195839, Conference: Conference on Optifab, Location: Rochester, NY, Date: OCT 12-15, 2015, Published: 2015
23. Duma, VF; Dobre, G; Demian, D; Cernat, R; Sinescu, C; Topala, FI; Negrutiu, ML; Hutiu, G; Bradu, A; Rolland, JP; Podoleanu, AG, Handheld probes and galvanometer scanning for optical coherence tomography, OPTICAL SYSTEMS DESIGN 2015: OPTICAL DESIGN AND ENGINEERING VI, Proceedings of SPIE, Volume: 9626, Article Number: 96261J, DOI: 10.1117/12.2191130, Conference: Optical Systems Design - Optical Design and Engineering VI, Location: Jena, GERMANY, Date: SEP 07-10, 2015, Published: 2015
24. Sinescu, C; Negrutiu, ML; Manole, M; de Sabata, A; Rusu, LC; Stratul, S; Dudea, D; Dughir, C; Duma, VF, Retractions of the Gingival Margins Evaluated by Holographic Methods, HOLOGRAPHY: ADVANCES AND MODERN TRENDS IV, Book Series: Proceedings of SPIE, Volume: 9508, Article Number: 95080V, DOI: 10.1117/12.2179010, Conference: Conference on Holography - Advances and Modern Trends IV, Location: Prague, CZECH REPUBLIC, Date: APR 15-16, 2015, Published: 2015

25. Negrutiu, ML; Sinescu, C; Borlea, MV; Manescu, A; Duma, VF; Rominu, M; Podoleanu, AG, Direct Composite Fillings: An Optical Coherence Tomography And MicroCT Investigation, MEDICAL IMAGING 2015: PHYSICS OF MEDICAL IMAGING, Book Series: Proceedings of SPIE, Volume:9412, Article Number: 94123R, DOI: 10.1117/12.2081661, Conference: Conference on Medical Imaging - Physics of Medical Imaging, Location: Orlando, FL, Date: FEB 22-25, 2015, Published: 2015 (*prim autor = autor principal*).
26. Sinescu, C; Negrutiu, ML; Nica, L; Manescu, A; Duma, VF; Podoleanu, AG, MicroCT and Optical Coherence Tomography imagistic assessment of the dental roots adhesive, MEDICAL IMAGING 2015: BIOMEDICAL APPLICATIONS IN MOLECULAR, STRUCTURAL, AND FUNCTIONAL IMAGING, Book Series: Proceedings of SPIE, Volume:9417, Article Number: 94170U, DOI: 10.1117/12.2082470, Conference: Conference on Medical Imaging - Biomedical Applications in Molecular, Structural, and Functional Imaging, Location: Orlando, FL, Date: FEB 22-25, 2015, Published: 2015
27. Duma, VF; Negrutiu, ML; Sinescu, C; Rominu, M; Miutescu, E; Burlea, A; Vlascici, M; Gheorghiu, N; Cira, O; Hutiu, G; Mnerie, C; Demian, D; Marcautuanu, C; Topala, F; Rolland, JP; Voiculescu, I; Podoleanu, AG, Towards a Research Pole in Photonics in Western Romania, 12TH EDUCATION AND TRAINING IN OPTICS AND PHOTONICS CONFERENCE, Book Series: Proceedings of SPIE, Volume: 9289, Article Number: 928916, DOI: 10.1117/12.2070787, Conference: 12th Education and Training in Optics and Photonics Conference, Location: Porto, PORTUGAL, Date: JUL 23-26, 2013, Published: 2014
28. Marcautuanu, C; Bradu, A; Sinescu, C; Topala, FI; Negrutiu, ML; Podoleanu, AG, Towards using spectral domain optical coherence tomography for dental wear monitoring, Source: OPTICAL COHERENCE TOMOGRAPHY AND COHERENCE DOMAIN OPTICAL METHODS IN BIOMEDICINE XVIII, Book Series: Proceedings of SPIE, Volume: 8934, Article Number: 89343A, DOI:10.1117/12.2041801, Edited by: Izatt JA; Fujimoto JG; Tuchin VV, Document Type: Proceedings Paper, Conference Title: Conference on Optical Coherence Tomography and Coherence Domain Optical Methods in Biomedicine XVIII, Conference Date: FEB 03-05, 2014, Conference Location: San Francisco, CA, Published: 2014.
29. Canjau, S; Todea, C; Sinescu, C; Negrutiu, M; Duma, V; Manescu, A; Topala, F; Podoleanu, AG, Optical Imaging of Oral Squamous Cell Carcinoma Using Optical Coherence Tomography and Micro CT, BIOCERAMICS, VOL 25, Book Series: Key Engineering Materials, Volume: 587, Pages: 331-337, Edited by: Antoniac I; Cavalu S; Traistaru T, DOI: 10.4028/www.scientific.net/KEM.587.331, Conference Title: 25th Symposium and Annual Meeting of the International-Society-for-Ceramics-in-Medicine (ISCM), Conference Date: NOV 07-10, 2013, Conference Location: Bucharest, ROMANIA, Published: 2014.
30. Rusu, LC; Manescu, A; Negrutiu, ML; Sinescu, C; Ardelean, S; Hoinoiu, B; Rominu, M, The MICRO CT evaluation of different types of matrices in rats bone augmentation, BIOCERAMICS, VOL 25, Book Series: Key Engineering Materials, Volume: 587 Pages: 338-342, DOI: 10.4028/www.scientific.net/KEM.587.338, Edited by: Antoniac I; Cavalu S; Traistaru T, Conference Title: 25th Symposium and Annual Meeting of the International-Society-for-Ceramics-in-Medicine (ISCM), Conference Date: NOV 07-10, 2013, Conference Location: Bucharest, ROMANIA, Published: 2014

31. Duma, VF; Negrutiu, ML; Sinescu, C; Voiculescu, I; Miutescu, E; Burlea, A; Vlascici, M; Podoleanu, AG, Research Lead Student Projects on Multi-Disciplinary Optomechatronics with Applications in Biomedical Imaging, NEW TRENDS IN EDUCATIONAL ACTIVITY IN THE FIELD OF MECHANISM AND MACHINE THEORY, Edited by: GarciaPrada JC; Castejon C, Book Series: Mechanisms and Machine Science, Volume: 19, Pages: 145-153, DOI: 10.1007/978-3-319-01836-2\_16, Conference Title: 1st International Symposium on the Education in Mechanism and Machine Science (ISEMMS), Conference Date: JUN 13-14, 2013, Conference Location: Madrid, SPAIN, Published: 2014
  
32. Sinescu, C; Bradu, A; Topala, FI; Negrutiu, ML; Duma, VF; Podoleanu, AG , Integral Ceramic Superstructure Evaluation using Time Domain Optical Coherence Tomography, LASERS IN DENTISTRY XX Edited by: Rechmann P; Fried D, Book Series: Proceedings of SPIE Volume: 8929, DOI: 10.1117/12.2039618, Conference Title: Conference on Lasers in Dentistry XX, Conference Date: FEB 02, 2014, Conference Location: San Francisco, CA, Published: 2014.
  
33. Marcautuanu, C; Bradu, A; Sinescu, C; Topala, FI; Negrutiu, ML; Duma, VF; Podoleanu, AG, The advantages of a swept source optical coherence tomography system in the evaluation of occlusal disorders, FIFTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE: BIOTECHNOLOGIES INTEGRATED IN DAILY MEDICINE Edited by: Todea C; Podoleanu AG; Duma VF, Book Series: Proceedings of SPIE Volume: 8925, Article Number:89250X, DOI: 10.1117/12.2041752, Conference Title: 5th International Conference on Lasers in Medicine - Biotechnologies Integrated in Daily Medicine, Conference Date:SEP 19-21, 2013, Conference Location: Timisoara, ROMANIA, Published: 2014.
  
34. Negrutiu, ML; Sinescu, C; Manescu, A; Topala, FI; Hoinoiu, B; Marcautuanu, C; Duma, V; Bradu, A; Podoleanu, AG , Imagistic Evaluation of Matrix Bone Interface, FIFTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE: BIOTECHNOLOGIES INTEGRATED IN DAILY MEDICINE Edited by: Todea C; Podoleanu AG; Duma VF, Book Series: Proceedings of SPIE Volume: 8925 (2014), Article Number:89250X, DOI: 10.1117/12.2041752, Conference Title: 5th International Conference on Lasers in Medicine - Biotechnologies Integrated in Daily Medicine, Conference Date:SEP 19-21, 2013, Conference Location: Timisoara, ROMANIA, Published: 2014. (*prim autor = autor principal*).
  
35. Rusu, LC; Negrutiu, ML; Sinescu, C; Hoinoiu, B; Zaharia, C; Ardelean, L; Duma, VF; Podoleanu, AG, Different Matrix Evaluation for the Bone Regeneration of Rats Femours using Time Domain Optical Coherence Tomography, FIFTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE: BIOTECHNOLOGIES INTEGRATED IN DAILY MEDICINE Edited by: Todea C; Podoleanu AG; Duma VF, Book Series: Proceedings of SPIE Volume: 8925, Article Number:89250X, DOI: 10.1117/12.2041752, Conference Title: 5th International Conference on Lasers in Medicine - Biotechnologies Integrated in Daily Medicine, Conference Date:SEP 19-21, 2013, Conference Location: Timisoara, ROMANIA, Published: 2014
  
36. Sinescu, C; Topala, FI; Negrutiu, ML; Duma, VF; Podoleanu, AG, Temperature Variation in Metal Ceramic Technology Analyzed using Time Domain Optical Coherence Tomography, FIFTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE: BIOTECHNOLOGIES INTEGRATED IN DAILY MEDICINE Edited by: Todea C;



- Podoleanu AG; Duma VF, Book Series: Proceedings of SPIE Volume: 8925, Article Number:89250X, DOI: 10.1117/12.2041752, Conference Title: 5th International Conference on Lasers in Medicine - Biotechnologies Integrated in Daily Medicine, Conference Date:SEP 19-21, 2013, Conference Location: Timisoara, ROMANIA, Published: 2014.
37. Stratul, SI; Sinescu, C; Negrutiu, M; de Sabata, A; Rominu, M; Ogodescu, A; Rusu, D, On the reliability of the holographic method for measurement of soft tissue modifications during periodontal therapy, FIFTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE: BIOTECHNOLOGIES INTEGRATED IN DAILY MEDICINE Edited by: Todea C; Podoleanu AG; Duma VF, Book Series: Proceedings of SPIE Volume: 8925, Article Number:89250X, DOI: 10.1117/12.2041752, Conference Title: 5th International Conference on Lasers in Medicine - Biotechnologies Integrated in Daily Medicine, Conference Date:SEP 19-21, 2013, Conference Location: Timisoara, ROMANIA, Published: 2014.
  38. Tunde, SE; Marcautuanu, C; Bradu, A; Sinescu, C; Topala, FI; Negrutiu, ML; Duma, VF; Podoleanu, AG, Imaging of noncarious cervical lesions by means of a fast swept source optical coherence tomography system, FIFTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE: BIOTECHNOLOGIES INTEGRATED IN DAILY MEDICINE Edited by: Todea C; Podoleanu AG; Duma VF, Book Series: Proceedings of SPIE Volume: 8925, Article Number:89250X, DOI: 10.1117/12.2041752, Conference Title: 5th International Conference on Lasers in Medicine - Biotechnologies Integrated in Daily Medicine, Conference Date:SEP 19-21, 2013, Conference Location: Timisoara, ROMANIA, Published: 2014
  39. Sinescu, C; Negrutiu, ML; Duma, VF; Marcautuanu, C; Topala, FI; Rominu, M; Bradu, A; Podoleanu, AG, Evaluation of Metal-Polymeric Fixed Partial Prosthesis using Optical Coherence Tomography, 8TH IBEROAMERICAN OPTICS MEETING AND 11TH LATIN AMERICAN MEETING ON OPTICS, LASERS, AND APPLICATIONS, Edited by: Costa MFPCM, Book Series: Proceedings of SPIE Volume: 8785, Article Number:8785EH, DOI: 10.1117/12.2027502, Conference Title: 8th Iberoamerican Optics Meeting and 11th Latin American Meeting on Optics, Lasers, and Applications, Conference Date: JUL 22-26, 2013, Conference Location: Porto, PORTUGAL, Published: 2013
  40. Rusu, LC; Negrutiu, ML ; Sinescu, C; Hoinoiu, B; Topala, FI; Duma, VF; Rominu, M; Podoleanu, AG, Time Domain Optical Coherence Tomography Investigation of Bone Matrix Interface in Rat Femurs, International Symposium On Photoelectronic Detection And Imaging 2013: Fiber Optic Sensors And Optical Coherence Tomography, Proceedings of SPIE, Vol. 8914 (Art.No UNSP 89141H): 89141H -1 - 4, 2013
  41. Negrutiu ML, Sinescu C, Canjau S, ManescuA, Topala FI, Hoinoiu B, Rominu M, Mărcăuțeanu C, Duma V, Bradu A, Podoleanu AGh, Bone Regeneration Assessment by Optical Coherence Tomography and MicroCT Synchrotron Radiation, Optical Coherence Tomography and Coherence Techniques VI 2013, Proc. of OSA Biomedical Optics-SPIE Vol. 8802 (Art.No. 880204): 880204-1-6, 2013 (*prim autor = autor principal*).
  42. Cănjău S, Todea C, Sinescu C, Negrutiu ML, Duma V, Mănescu A, Topala FI, Podoleanu AGh, Optical imaging of oral pathological tissue using optical coherence tomography and



synchrotron radiation computed microtomography, Head and Neck Optical Diagnostics, 2013, Proc. of OSA Biomedical Optics-SPIE Vol. 8805 (Art.No.880504): 880504-1-9, 2013

43. Mărcăuțeanu M, Topală F, Negrutiu M, Stoica ET, Sinescu C, 3D Finite Element Analysis of Restorative Materials Used in Dental Abfractions, Solid State Phenomena, Vol. 188 (Advanced Materials and Structures IV): 82-86, DOI: 10.4028/www.scientific.net/SSP.188.82, mai 2012
44. Ogorescu A, Sinescu C, Negrutiu M, Naghib R, Topală F, Dodenciu D, Ogorescu E, Investigation of an Advanced Material for the Infiltration of White Spot Lesions in Orthodontics, Solid State Phenomena, Vol. 188 (Advanced Materials and Structures IV): 87-92, DOI: 10.4028/www.scientific.net/SSP.188.87, mai 2012
45. Negrutiu ML, Sinescu C, Topala FI, Ionita C, Goguta L, Marcautuanu C, Romînu M, Podoleanu, AG , Optical investigations of various polymeric materials used in dental technology, Optical Complex Systems: OCS11, Proc. of SPIE, 8172 (Art Nr 817216): 817216-1-817216-8, 0277-786X, Sept 2011 (*prim autor = autor principal*).
46. 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
47. 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
48. Sinescu C, Negrutiu M, Topala F, Ionita C, Negru R, Fabriky M, Marcautuanu C, Bradu A, Dobre G, Marsavina L, Romînu M, Podoleanu, A, Ceramic and Polymeric Dental Onlays Evaluated by Photo elasticity, Optical Coherence Tomography and Micro Computed Tomography, Optical Complex Systems: OCS11, Proc. of SPIE, 8172 (Art Nr 817208): 817208-1 - 817208-7, 0277-786X, Sept 2011
49. Sinescu C, Negrutiu ML, Ionita C, Marsavina L, Negru R, Topala F, Petrescu E, Rominu R, Fabriky M, Bradu A, Romînu M, Podoleanu AG, Biomedical Implications of Dental Ceramic Defects Investigated by Numerical Simulation, Radiographic, Microcomputer Tomography and Time Domain Optical Coherence Tomography, Optical Complex Systems: OCS11, Proc. of SPIE, 8172 (Art Nr 817207): 817207-1 - 817207-5, 0277-786X, Sept 2011
50. Negrutiu ML, Ogorescu 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 (*prim autor = autor principal*).

51. Petrescu E, Negrutiu ML, Sinescu C, Pop DM, Romînu M, Ogorescu 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
52. Ogorescu A, Zetu I, Martha K, Sinescu C, Petrescu E, Negrutiu M, Talpos S, Ogorescu E, The Use of Biomedical Imaging for Computer-Aided Diagnosis and Treatment Planning in Orthodontics and Dentofacial Orthopedics Recent Advances in Applied and Biomedical Informatics and Computational Engineering in Systems Applications - AIC'11, BEBI'11, Proc. of WSEAS, 418-423, 978-1-61804-028-2, aug 2011
53. 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
54. 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
55. Rusu LC, Sinescu C, Negrutiu ML, Ardelean LC, Ogorescu A, Fabricky M, Petrescu E, Rominu RO, Topala F, Romînu M, Albu MG, Ghica MV, Podoleanu AGh, Application for Regenerative Dentistry: The Collagen Matrices with Lidocaine, Computational Engineering in Systems Applications (Volume II), Proceedings of International Conference on Energy, Environment, Economics, Devices, Systems, Communications, Computers, Proc. of WSEAS, vol II: 60-64, 978-1-61804-014-5, iul 2011
56. Petrescu E, Negrutiu ML, Sinescu C, Rominu R, Topala F, Romînu M, Podoleanu AGh, Non-invasive Imagistic Investigations of Repaired IPS Empress e.max All Ceramic Crowns, Recent Researches in Geography, Geology, Energy, Environment and Biomedicine - Proc. of the 4th WSEAS Int. Conf. on EMESEG'11, 2nd Int. Conf. on WORLD-GEO'11, 5th Int. Conf. on EDEB'12, 225-229, 978-1-61804-022-1, iul 2011
57. Marcauteanu C, Negrutiu M, Sinescu C, Stoica ET, Ionita C, Florin T, Vasile L, Bradu A, Dobre G, Podoleanu AG, Early characterization of occlusal overloaded cervical dental hard tissues by en face optical coherence tomography, Optical Coherence Tomography and

Coherence Techniques V, Proc. of SPIE-OSA, ECBO 2011, vol. 8091, (Art Nr 80911T): 80911T-1 – 6, 2011

58. Negrutiu ML, Sinescu C, Topala F, Ionita C, Marcautuanu C, Petrescu EL, Podoleanu AG, Imagistic evaluation of direct dental restoration: en face OCT versus SEM and microCT, Optical Coherence Tomography and Coherence Techniques V, Proc. of SPIE-OSA, ECBO 2011, vol. 8091 (Art Nr 80911X): 80911X-1 – 6, 2011 (*prim autor = autor principal*).
59. 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 (*prim autor = autor principal*).
60. 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
61. Petrescu E, Sinescu C, Negrutiu ML, Rominu R, Maria PD, Romînu M , Non-invasive imagistic investigation of metal-ceramic crowns, Optical Sensors and Biophotonics II, Proc. of SPIE-OSA-IEEE Asia Communications and Photonics, 7990 (Art Nr 79900Y): 79900Y-1 - 79900Y-8, 0277-786X, ian 2011
62. 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
63. Topala FI, Sinescu C, Negrutiu ML, Bradu A, Romînu M, Podoleanu AG, 3D Reconstructions of Resin Dental Fillings based on En Face OCT Images, Advances in Biology, Bioengineering and Environment, 6th WSEAS International Conference on Cellular and Molecular Biology, Biophysics and Bioengineering (Bio '10) 8th Wseas International Conference on Environment, Ecosystems and Development (Eed '10) International Conference on Bioscience and Bioinformatics(Icbb '10) Athens, Greece December 29-31, 2010 Published By WSEAS Press, www.wseas.org Proceedings of WSEAS, pg.19-22, ISSN 1792-7412, 1792-7374, 1792-7439, dec 2010
64. Ogorescu AS, Sinescu C, Ogorescu EA, Negrutiu M, Rominu R, Bratu E, Computer Science in the Orthodontic Treatment of Adult Patients, 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](http://www.wseas.org), Proceedings of WSEAS, pg.15-18, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010

65. 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](http://www.wseas.org), Proceedings of WSEAS, pg.19-22, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010
66. Enescu M, Sinescu C, Negrutiu M, Negru R, Marsavina L, Topala F, Rominu R, Petrescu E, Bradu A, Dobre G, Rominu M, Podoleanu A, Amalgam and Composite Resin Interface Investigation by Opical Coherence Tomography, 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](http://www.wseas.org), Proceedings of WSEAS, pg.316-322, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010
67. Soicu A, Sinescu C, Negrutiu M, Topala F, Rominu R, Petrescu E, Rominu M, Podoleanu A, Technological Aspects, Numerical Simulation and Noninvasive Imagistic Approach on Resin Bonded Fixed Partial Prothesi, 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](http://www.wseas.org), Proceedings of WSEAS, pg.323-327, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010
68. Stoia AE, Sinescu C, Negrutiu M, Enescu M, Rominu R, Pielmusi M, Tudor A, Rominu M, Tensile Bond Strength of Acrylic Resin Teeth to Denture Base Repair Resin, 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](http://www.wseas.org), Proceedings of WSEAS, pg. 337-341, ISSN 1792-6637, 1792-667X, 1792-6696, 1792-670X, dec 2010
69. 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

70. Sinescu C, Negrutiu M, Ionita C, Negru R, Marsavina L, Topala F, Rominu R, Petrescu E, Ogorescu A, Fabricky M, Bradu A, Dobre G, Romînu M, Podoleanu A, Ceramic Veneers Integrity Investigation by Optical Coherence Tomography and MicroComputer Tomography, Selected topics in applied computing, Applied computing conference 2010 (ACC '10), Timișoara, RO, oct.21-23 2010, Published By WSEAS Press, www.wseas.org, Proceedings of WSEAS, pg.97-101, 1792-5908, oct 2010
71. Ogorescu A, Sinescu C, Ogorescu E, Negrutiu M, Bratu E, The Digital Decade in Interdisciplinary Orthodontics, Selected topics in applied computing, Applied computing conference 2010 (ACC '10), Timișoara, RO, oct.21-23 2010, Published By WSEAS Press, www.wseas.org, Proceedings of WSEAS, pg.115-118, 1792-5908, oct 2010
72. Negrutiu, ML; Sinescu C; Topala, F; Nica, L; Ionita, C; Marcautuanu, C; Goguta, L; Bradu, A; Dobre, G; Romînu M; Podoleanu, AG, Root canal filling evaluation using optical coherence tomography, Progress In Biomedical Optics And Imaging/Proceedings of SPIE, Spie Photonics Europe 2010, Biophotonics: Photonic Solutions for Better Health Care II, Vol. 11, No. 41,/Vol.7715 pg.77151T-1 77151T-6, Brussels, Belgium, 12–16 April 2010  
*(prim autor = autor principal).*
73. 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
74. Sinescu C, Negrutiu ML; Ionita C; Marsavina L; Negru R; Caplescu C; Bradu A; Topala F; Rominu RO; Petrescu E; Leretter M; Romînu M; Podoleanu AG, Morphological Characterization of Dental Prostheses Interfaces using Optical Coherence Tomography, 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.76260P-1 76260P-6, San Diego, California, United States, 14–16 February 2010
75. Demjan, E; Marcautuanu, C; Bratu, D; Sinescu, C; Negrutiu, M; Ionita, C; Florin, T; Hughes, M; Bradu, A; Dobre, G; Podoleanu, AG, Analysis of dental abfractions by optical coherence tomography, Progress in Biomedical Optics and Imaging/Proceedings of SPIE, SPIE

Photonics West, BIOS 2010, Lasers in Dentistry XVI, 25–27 January 2010 San Francisco, SUA, Vol. 11, No. 2,/ Vol.7549, Art. No..754903 (754903-1-6), ian 2010

76. Mărcăuteanu, C., Demjan E, Sinescu C, Negrutiu, M., Motoc, A., Lighezan, R., Vasile, L., Hughes, M., Bradu, A, Dobre, G, Podoleanu, AG., Preliminary optical coherence tomography investigation of the temporo-mandibular joint disc, Progress in Biomedical Optics and Imaging/ Proceedings of SPIE, SPIE Photonics West, BIOS 2010, Optical Coherence Tomography and Coherence Domain Optical Methods in Biomedicine XIV 25–27 January 2010 San Francisco, SUA, Vol. 11, No. 7,/ Vol.7554 , Art.No.75542G (75542G-1-7), ian 2010
77. Sinescu, C., Negrutiu, M., Birtea N.M., Petrescu, E., Romînu R.O., Mărcăuteanu C, Demjan E., Cuc L., Hughes, M., Bradu, A., Dobre, G., Rominu, M., Podoleanu A. G., Time domain and spectral optical coherence tomography investigations of integral ceramic fixed partial dentures, Advances in Maritime and Naval Sciences and Engineering, Proceedings of 2nd International Conference on Maritime and Naval Sciences and Engineering, (MN09), Brasov, sept.24-26, 2009, Proc. of WSEAS, 2009, pg.77-81, ISSN: 1790-2769, ISBN 978-960-474-120-5, 2009
78. Rominu M., Sinescu C., Negrutiu M., Birtea N. M., Petrescu E., Rominu R., Hughes M., Bradu A., Dobre G., A.Gh. Podoleanu, A Qualitative Approach on Marginal Adaptation of Conditioned Dental Infrastructures Using Optical Coherence Tomography, Advances In Manufacturing, Engineering, Quality And Production Systems, Proceedings of the 1st International Conference on Manufacturing Engineering, Quality and Production Systems (Vol. I), Brasov, sept.24-26, 2009, Proceedings of WSEAS, pg.255-259, ISSN: 1790-2769, ISBN: 978-960-474-121-2, 2009
79. 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
80. Ogorescu A, Sinescu C, Ogorescu E, Negrutiu M, Engineering and biomechanics in the orthodontic treatment of periodontally compromised adult patient (Proceedings Paper), Advances In Manufacturing, Engineering, Quality And Production Systems, Proceedings of the 1st International Conference on Manufacturing Engineering, Quality and Production Systems (Volume I), Brasov, sept.24-26, 2009 Proceedings of WSEAS, p.194-197, ISSN: 1790-2769, ISBN: 978-960-474-121-2 (*ultim autor = autor principal*).
81. Antonie, S; Sinescu, C; Negrutiu, M; Sticlaru, C; Negru, R; Laissue, PL; Rominu, M; Podoleanu, AG, Investigation of Implant bone interface with non-invasive methods: numerical simulation, strain gauges and optical coherence tomography (Proceedings Paper), Advances In Strength Of Materials, 2009, Vol. 399, pg.193-198, 1013-9826, 2009



82. Marcauteanu, C., Negrutiu, M., Sinescu, C., Demjan, E., Hughes, M., Bradu, A., Dobre, G., Podoleanu A.G., Occlusal overload investigations by noninvasive technology: fluorescence microscopy and en-face optical coherence tomography (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 73722A.1 -73722A.7, 1605-7422
83. Sinescu, C., Negrutiu, M., Petrescu, E., Rominu, M., Mărcăuțeanu C, Romînu R.O., Hughes, M., Bradu, A., Dobre, G., Podoleanu A. G., Marginal adaptation of ceramic veneers investigated with en face optical coherence tomography (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 73722C.1 -73722C.6, 1605-7422, 2009
84. Negrutiu, 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 *(prim autor = autor principal)*.
85. 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
86. Sinescu, C., Negrutiu, M. L., Antonie, S., Dobre, G., Bradu, A., Hughes, M., Rominu, M., Podoleanu, A. G., Marginal adaptation analysis performed with en face optical coherence tomography in fixed partial dentures (Proceedings Paper), Progress In Biomedical Optics And Imaging, Medical Imaging 2009: Physics of Medical Imaging, Proc. SPIE, 2009, vol. 7258, pg 72584H.1-72584H.5, 1605-7422 , 2009
87. Sinescu C. ; Negrutiu M.L. ; Marsavina L. ; Negru R; Hluscu M; Caplescu C; Bradu A; Hughes M; Rominu M; Podoleanu AGh., Effect of masticatory load on cracks deflection/penetration investigated with en-face optical coherence tomography in ceramic fixed partial dentures (Proceedings Paper), Progress In Biomedical Optics And Imaging, Medical Imaging 2009: Physics of Medical Imaging, Proc. SPIE, 2009, vol. 7258, pg 72584K.1-72584K.9, 1605-7422 , 2009
88. Negrutiu, M. L., Sinescu, C., Rominu, M., Hughes, M., Dobre, G., Podoleanu, A.G., Optical coherence tomography and confocal microscopy investigations of dental structures and restoration materials (Proceedings Paper), Progress In Biomedical Optics And Imaging,



Medical Imaging 2009: Physics of Medical Imaging, Proc. SPIE, 2009, vol. 7258, pg 72584N.1-72584N.7, 1605-7422, 2009 (*prim autor = autor principal*).

89. Mărcăuteanu, C., Negrutiu, M., Sinescu, C., Demjan, E., Hughes, M., Bradu, A., Dobre, G., Podoleanu, A. G, Early detection of tooth wear by en face optical coherence tomography (Proceedings Paper), Conference on Lasers in Dentistry XV, JAN 24, 2009, San Jose, CA, Progress In Biomedical Optics And Imaging, BIOS 2009:Lasers in Dentistry XV, Proc. SPIE, 2009, Vol.7162, Art. No. 716205, 1605-7422
90. Sinescu C, Negrutiu M , Tatar R , Terteleac A, Negru, R ,Hluscu, M , Culea L , Rominu M, Marsavina, L ,Hughes, M , Bradu, A , Dobre, GM, Marcauteanu, C ,Demjan, E , Podoleanu, AG , Investigation of osteoconductive bone substitute by particles analysis, numerical simulation and optical coherence tomography, Conference on Lasers in Dentistry XV, JAN 24, 2009, San Jose, CA, Progress In Biomedical Optics And Imaging, BIOS 2009:Lasers in Dentistry XV, Proc. SPIE, 2009, Vol.7162, Art. No. 716207, 1605-7422
91. Todea C, Balabuc C, Sinescu C, Negrutiu M, Filip L, Bradu A, Podoleanu AGh., En-face OCT microleakage investigation after laser-assisted dental hard tissue treatment, 1st Canterbury Workshop in Optical Coherence Tomography and Adaptive Optics, Proc. of SPIE Vol. 7139, Art. Nr. 7139-21, 2008
92. Negrutiu M., Sinescu C., Hughes M., Bradu A., Romînu M, Todea C., Dobre G., Podoleanu A. Gh., Optical Coherence Tomography and Confocal Microscopy Investigations of Dental Prostheses, 1st Canterbury Workshop in Optical Coherence Tomography and Adaptive Optics, Proc. of SPIE Vol. 7139, Art. Nr. 7139-22, 2008 (*prim autor = autor principal*).
93. Rominu R.O., Sinescu C., Romînu M, Negrutiu M., Laissue P., Mihali S., Hughes M., Bradu A., Podoleanu A. Gh., An Innovative Approach for Investiatiing the Ceramic Bracket-Enamel Interface – Optical Coherence Tomography and Confocal Microscopy, 1st Canterbury Workshop in Optical Coherence Tomography and Adaptive Optics, Proc. of SPIE Vol. 7139, Art. Nr. 7139-23, 2008
94. Sinescu, C; Negrutiu, M; Hughes, M; Bradu, A; Todea, C; Rominu, M; Laissue, PL; Podoleanu, AG, An optical coherence tomography investigation of materials defects in ceramic fixed partial dental prostheses, BIOPHOTONICS: PHOTONIC SOLUTIONS FOR BETTER HEALTH CARE PROC OF SPIE vol 6991, 69910O1-5, 0277-786X, 2008
95. Sinescu, C; Hughes, M; Bradu, A; Negrutiu, M; Todea, C; Antonie, S; Laissue, PL; Rominu, M; Podoleanu, AG, Implant bone interface investigated with a non-invasive method: optical coherence tomography, BIOPHOTONICS: PHOTONIC SOLUTIONS FOR BETTER HEALTH CARE, PROC OF SPIE, vol 6991, 69911L1-9, 0277-786X, 2008
96. Negrutiu, ML; Sinescu, C; Hughes, M; Bradu, A; Goguta, L; Rominu, M; Negru, R; Podoleanu, AG, Fibres reinforced dentures investigated with en-face optical coherence

- tomography, BIOPHOTONICS: PHOTONIC SOLUTIONS FOR BETTER HEALTH CARE, PROC OF SPIE , vol 6991, art.no. 69911U-1-6, 0277-786X, 2008 (*prim autor = autor principal*).
97. Negrutiu, ML, Sinescu, C, Hughes, M, Bradu, A, Todea, C, Balabuc, CI, Filip, LM , Podoleanu, AG, Root canal filling evaluation using optical coherence tomography BIOPHOTONICS: PHOTONIC SOLUTIONS FOR BETTER HEALTH CARE, PROC OF SPIE, vol 6991, art. no. 69911T-1-6, 0277-786X, 2008 (*prim autor = autor principal*).
  98. Sinescu, C, Negrutiu, M, Todea, C, Hughes, M, Tudorache, F, Podoleanu, AG, Fixed partial dentures investigated by optical coherent tomography, COHERENCE DOMAIN OPTICAL METHODS AND OPTICAL COHERENCE TOMOGRAPHY IN BIOMEDICINE XII, PROC OF SPIE, vol. 6847, art. no. 684707 -1-8, 0277-786X, 2008
  99. Sinescu, C; Negrutiu, M; Faur, N; Negru, R; Rominu, M; Cozarov, D, Dental scanning in CAD/CAM technologies: Laser beams, LASERS IN DENTISTRY XIV; PROC OF SPIE vol 6843, art. no. 68430E1-9, 0277-786X, 2008
  100. 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 (*prim autor = autor principal*).
  101. 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
  102. Negrutiu, ML, Sinescu, C, Draganescu, G, Todea, C, Dodenciu, D, Rominu, R, Microspectral analysis with laser in microleakage evaluation between infrastructure and veneer materials in fixed partial dentures, LASERS IN DENTISTRY XIV; PROC OF SPIE . vol 6843, art. no. 68430Q, 0277-786X, 2008 (*prim autor = autor principal*).
  103. Negrutiu, ML, Sinescu, C, Todea, C, Podoleanu, AG, Complete denture analyzed by optical coherence tomography, LASERS IN DENTISTRY XIV; PROC OF SPIE . vol 6843, art. no. 68430R, 0277-786X, 2008 (*prim autor = autor principal*).
  104. Sinescu, C; Negrutiu, M; Rominu, M, Pouring dental alloys - numerical studies using FLUENT software, European-Federation-for-Medical-Informatics Special Topic Conference Timișoara, ROMANIA ,APR 06-08, 2006, INTEGRATING BIOMEDICAL INFORMATION: FROM E-CELL TO E-PATIENT, pg: 192-194, apr 2006
  105. Sinescu, C; Negrutiu, M; Rominu, M, Adhesive Fixed partial denture - Numerical investigation, European-Federation-for-Medical-Informatics Special Topic Conference Timișoara, ROMANIA ,APR 06-08, 2006, INTEGRATING BIOMEDICAL INFORMATION: FROM E-CELL TO E-PATIENT, pg: 195-196, apr 2006

## 7. Articole/ proceedings paper publicate în reviste/volume indexate în alte baze de date internaționale - BDI (Scopus, Pub Med, EI Compendex, EBESCO, Index Copernicus etc.)

1. Gavrilovici A.M., Jivănescu A., Negruțiu M.L., Bone Augmentation and Bilateral Sinus Elevation at a Female Patient With Type 2 Diabetes, Rom J Diabetes Nutr Metab Dis., 2018, 25(3):313-319, <http://rjdnmd.org/index.php/RJDNMD/about> (*ultim autor = autor principal*).
2. Hategan S.I., Topala F.I., Goguta L., Gavrilovici A., Negruțiu M.L., Jivanescu A., Powder and powder-free intra-oral scanners: Digital impression accuracy, Prim Dent J. 2018;7(2):40-43, <https://www.ncbi.nlm.nih.gov/pubmed/30095881>
3. Idorași L., Cîrligeriu L., Sinescu C., Zaharia C., Stan A.T., Negruțiu M.L., Silver Nanotechnology — the Future in Caries Therapy? A Report of Two Cases, Journal of Interdisciplinary Medicine 2017; 2(1):67-71, <https://www.interdisciplinary.ro/>, <https://content.sciendo.com/view/journals/jim/jim-overview.xml> (*ultim autor = autor principal*).
4. Stan A.S., Idorași L., Stan V.F., Rogobete A.F., Sinescu C., Negruțiu M.L., Romînu M., Photoacoustic Microscopy in Dental Medicine, Journal of Interdisciplinary Medicine 2017; 2(S1):51-54, <https://www.interdisciplinary.ro/>, <https://content.sciendo.com/view/journals/jim/jim-overview.xml>
5. Zaharia C., Gabor A.G., Gavrilovici A., Stan A.T., Idorasi L., Sinescu C., Negruțiu M.L., Digital Dentistry — 3D Printing Applications, Journal of Interdisciplinary Medicine 2017; 2(1):50-53, <https://www.interdisciplinary.ro/>, <https://content.sciendo.com/view/journals/jim/jim-overview.xml> (*ultim autor = autor principal*).
6. Gabor A.G., Zaharia C., Stan A.T., Gavrilovici A.M., Negruțiu M.L., Sinescu C., Digital Dentistry — Digital Impression and CAD/CAM System Applications, Journal of Interdisciplinary Medicine 2017;2(1):54-57, <https://www.interdisciplinary.ro/>, <https://content.sciendo.com/view/journals/jim/jim-overview.xml>
7. Pop D., Topala I.F., Sinescu C., Negruțiu ML, Jivanescu A, Podoleanu AGh., Selctive Laser Sintering – Selective Laser Melting – A Close Up on Dental Applications, Medicine in Evolution, Volume XX, Nr. 4, pg.723-730, ISSN 2065-376X, 2014.
8. Pop D., Rusu LC, Sinescu C., Negruțiu ML, Galuscan A, Jivanescu A, Tumor Necrosis Factor Evaluation for Casting and Selective Laser Sintering Co-Cr Alloys, Fiziologia – Physiology, 24.3. (83), pg.16-19, 2014.

9. Canjau S, Sinescu C., Negrutiu ML, Rusu L, Todea C, 18-FDG-PET and PET/CT for Minimal Invasive Diagnosis of Head and Neck Cancer, Fiziologia – Physiology, 24.3. (83), pg.20-25, 2014
10. Seche Eliza, Sinescu C., Negrutiu ML, Leretter M., Rominu M., Imagistic Evaluation of the Ceramic Fixed Partial Prosthesis, Medicine in Evolution, Volume XX, Nr. 2,pg.221-231, ISSN 2065-376X, 2014.
11. Ardelean S., Cirligeriu L., Sinescu C., Jumanca D., Leretter M., Negrutiu M.L., The usage of digital imaging fiber-optic transillumination in association with laser-fluorescence as a complementary method in proximal carious lesions diagnosis, Medicine in Evolution, XX (2): 246-250, 2065-376X, Iun 2014
12. 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
13. Soicu AR, Rominu M, Negrutiu M, Sinescu C, Soicu S, Rominu RO, An interdisciplinary approach of a mandibular 1st molar edentation – a case report, Medicine in Evolution, XVII (3): 290-295, 2065-376X, Sept 2011
14. Enescu M, Romînu M, Romînu R, Negrutiu M, Pop D, Petrescu E, Sinescu C, Effect of Various Adhesive Agents on Shear Bond Strength of Amalgam and Composite, Medicine in Evolution, XVII(1): 17-22, 2065-376X, Mar 2011
15. Sinescu C, Negrutiu M, Ionita C., Negru R., Marsavina L., Topala F., Rominu R, Petrescu E, Ogodescu A, Fabricky M., Bradu A., Dobre G., Rominu M., Podoleanu A.Gh. Optical Coherence Tomography and MicroComputer Tomography Investigations on Pressed Ceramic Veneers International Journal Of Biology And Biomedical Engineering, Naun Press, 4 (4): 88-96, ISSN 1998-4510, 2010
16. Todea C, Negrutiu ML, Balabuc C, Sinescu C, Topala FI, Marcautuanu C, Canjau S, Semez G, Podoleanu AGh., Optical Coherence Tomography Applications in Dentistry, Timișoara Medical Journal,vol 60/ 1/5-17, 1583 – 5251, 2010
17. Negrutiu 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
18. 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

19. 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
20. Mărcăuteanu, C., Stoica, E., Sinescu, C., Negrutiu, M., Topală F, Clonda , Hughes, M., Bradu, A., Dobre, G., Podoleanu, A. G, Microstructural characterization of noncarious cervical lesions by optical coherence tomography, *Timișoara Medical Journal*, vol 60/ 1/60-63, 1583 – 5251, 2010
21. L. Goguță, C.Sinescu, M.Negrutiu, F.Topală, A.G.Podoleanu, D.Bratu, C.Mărcăuteanu, R.Erimescu, A.Jivănescu, Scanning electron microscopy or optical coherence tomography for the evaluation of the glass fiber reinforced acrylic resin, *Timișoara Medical Journal*, vol 60/ 1/64-68, 1583 – 5251, 2010
22. E.Stoica, C.Mărcăuteanu, M.Negrutiu, C.Sinescu, F.Topală, C.Clonda, M.Hughes, A.Bradu, G.Dobre, A.Gh. Podoleanu, *En face* optical coherence tomography investigation of pathological dental wear, *Timișoara Medical Journal*, vol 60/ 1/74-77, 1583 – 5251, 2010
23. 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
24. Clonda C., Sinescu C., Negrutiu M., Romînu M, Bradu A., Dobre G., Podoleanu A.Gh., Time domain OCT in galvanoceramic fixed partial prostheses investigations, *Timișoara Medical Journal*, vol 60/ 1/82-85, 1583 – 5251, 2010
25. Sinescu C., Negrutiu M., Romînu M., Haiduc C., Petrescu E., Leretter M, Podoleanu A.G., En-Face Optical Coherence Tomography Combined with Fluorescence In Material Defects Investigations for Ceramic Fixed Partial Dentures, *World Academy Of Science, Engineering and Technology*, 2009, 56, pg.641-644, 2070-3724, 2009
26. Sinescu C., Negrutiu M., Negru R., Romînu M., Podoleanu A.G., Material Defects Identification in Metal Ceramic Fixed Partial Dentures by En-Face Polarization Sensitive Optical Coherence Tomography, *World Academy Of Science, Engineering and Technology*, 2009, 53, pg1223-1230, 2070-3724, 2009
27. Negrutiu M., Sinescu C., Goguta L., Topala F., Romînu M., Podoleanu A.G., Different Types of Fiber Reinforced All Dentures Bases Evaluated by En-Face Optical Coherence Tomography and Numerical Simulation, *World Academy Of Science, Engineering and Technology*, 2009, 53, pg1236-1241, 2070-3724, 2009
28. Negrutiu M., Sinescu C, Rominu M, Andrei A, Hughes M, Bradu A, Dobre G, Podoleanu AGh., Metal and integral polymeric fixed partial dentures quality technology analysis using

optical coherence tomography, Proceedings of the 10th IASTED International Conference, SIGNAL AND IMAGE PROCESSING (SIP 2008), August 18-20, 2008 Kailua-Kona, HI, USA, paper nr. 623-162, pg. 304-308, ACTA Press 2008

29. Lakatos S., Romînu M., Florița Z., Ianeș C., Negruțiu M., Marginal fit of porcelain veneers on titanium copings: an in vitro study. *QUINTESSENCE INTERNATIONAL*, vol 38, nr 3, E169 - E175, 2007, ISSN: 0033-6572, BDI - MEDLINE (*ultim autor = autor principal*).
30. Sinescu C, Negruțiu M., Romînu M, Resiga R, Munteanu S, Fluent software implied in the methodology of numerical simulation of two-phased flows (liquid melting-gas) with the separation interface specific for the filling process of the pattern for the framework of fixed partial dentures, *Studies in Health Technology and Informatics*, vol.129, ISSN 0926-9630, Medinfo 2007 – Proceedings of the 12th World Congress on Health (Medical) Informatics, IOS Press, Amsterdam, Berlin, Oxford, Tokyo, Washington, DC, 2007, ISBN 978-1-58603-774-1
31. Sinescu C, Sticlaru C, Negruțiu M., Romînu M, Demian C, The PROE software implied in numerical analysis of the fixed partial denture behaviour, *Studies in Health Technology and Informatics*, vol.129, ISSN 0926-9630, Medinfo 2007 – Proceedings of the 12th World Congress on Health (Medical) Informatics, IOS Press, Amsterdam, Berlin, Oxford, Tokyo, Washington, DC, 2007, ISBN 978-1-58603-774-1
32. Sinescu C, Romînu M, Hlușcu M, Negruțiu M., Noninvasive investigation of the fixed partial bonded bridges - a numerical simulation approach, *Scientific Medicalinfo Journal*, nr.2, pg.1-8, ISSN: 1841 - 8686, dec 2006.
33. Sinescu C, Negruțiu M., Romînu M, Resiga R, Muntean S, The methodology of numerical simulation of two-phased flows (liquid melting-gas) with the separation interface specific for the filling process of the pattern for the framework of fixed partial dentures, *Scientific Medicalinfo Journal*, nr.2, pg. 9-21, ISSN: 1841 - 8686, 2006.
34. Sinescu C, Negruțiu M., Dodenciu D, Romînu M, A new method for analysing the defects in the metal support of the fixed partial denture, *Scientific Medicalinfo Journal*, nr.2, pg. 40-44, ISSN: 1841 - 8686, 2006.
35. Florița Z, Romînu M, Kigyosi A, Negruțiu M., Sinescu C, Matekovits G, Az adhéziók széli zárásának összehasonlító vizsgálata első osztályú kavitások eseteiben, *Magyar Fogorvos*, nr. 4, 188 - 196, 2006.
36. Sinescu C., De Sabata A., Negruțiu M., Romînu M, Holografiai modellek a fogtechnikában, *Dental Dialogus*, Magyar kiadás, nr.1/2006, pg.40-48 , 2006

## **8. Articole/proceeding papers publicate in reviste naționale - CNCSIS B**

1. 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
2. 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
3. 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
4. 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
5. Rominu M., Sinescu C., Negrutiu 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
6. Sinescu C., Negrutiu M., Cozarov D., Dodenciu D., Pop D.M., Petrescu E., Gavrilovici A., Rominu 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
7. 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
8. 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



9. 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
10. Sinescu C., Negrutiu M., Tatar R., Vasile L., Negru R., Hluscu M., Culea L., Romînu M., Marsavina L., Dobr e G. M., Bradu A., Marcauteanu C., Demjan E., Podoleanu A.Gh., Interfaces between bone and bone substitutes investigations by invasive and non invasive methods, Medicine in Evolution, vol.XV nr.2,pg.67-76, 2065-376X, 2009
11. Petrescu E.L., Sinescu C., Negrutiu M.L., Pop D.M., Stoia A.E., Haiduc Cl., Rominu R.O., Rominu 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 structers AVMS-2007, Proceedings of the IX-th symposium, Editura Politehnica, ISSN: 1843-0902, 210-214, Timișoara, 2007.
13. Negruțiu M., Sinescu C, Todea C, Romînu M., Pop D, Laser welding of dental alloys using protective mediums, Acoustics and vibration of mechanical structers AVMS-2007, Proceedings of the IX-th symposium, Editura Politehnica, ISSN: 1843-0902, 178-183, Timișoara, 2007.
14. 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 structers AVMS-2007, Proceedings of the IX-th symposium, Editura Politehnica, ISSN: 1843-0902,184-187, Timișoara, 2007.
15. Sinescu C., Drăgănescu Gh., Negruțiu M, Todea C., Romînu M., Bălăbuc C., Filip Laura, Microleakage evaluation between infrastructure and veneer materials in fixed partial dentures, Timișoara Medical Journal , vol. 57, nr. 4, pg.276-279, 1583-5251, 2007
16. Balabuc C, Miron M, Demian C, Negrutiu M, Filip L, Todea C, Effects of 980 nm high-power diode laser irradiation on enamel microhardness, Timișoara Medical Journal , vol. 57, nr.2-3, pg.193-195, ISSN 1583-5251, 2007
17. Sinescu C, Negrutiu N, Dodenciu D, Cozarov D, Rominu M, Balabuc C, Laser Beam Used in Dental Scanning for CAD/CAM Technologies, Timișoara Medical Journal , vol. 57, nr.2-3, pg.187-192, ISSN 1583-5251, 2007
18. 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

19. Negruțiu M, Sinescu C, Negru R, Locovei C, Todea C, Cozarov D, Bălăbuc C, Investigation and evaluation of different laser welded areas, Timișoara Medical Journal, vol.57, nr.2-3, pg. 180-183, ISSN 1583-5251, 2007
20. Negruțiu M, Sinescu C., Negru R., Hluscu M., Demian C, Romînu M., New studies of fixed partial prostheses analysis. Bidimensional photoelasticity approach, Timișoara Medical Journal, vol. 56, nr. 4, pg.284-286, ISSN 1583-5251, dec 2006
21. Borțun C, Lakatos S, Sandu L, Negruțiu M, Ardelean L, Metal-free removable partial dentures made of thermoplastic materials, Timișoara Medical Journal, vol. 56, nr. 1, pg.80-87, ISSN 1583-5251, 2006
22. 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
23. Lakatos S, Burda C, Sinescu C, Negruțiu M, Shade matching of titanium porcelain, Timișoara Medical Journal, vol. 55, nr. 1, pg.74-78, ISSN 1583-5251, 2005
24. Lakatos S., Romînu M., Florița Z., Negruțiu M., The microleakage between titanium and veneering materials, Timișoara Medical Journal, vol. 54, nr. 1, pg.77-80, ISSN 1583-5251, 2004

## **9. Articole/proceeding papers publicate în reviste naționale - CNCSIS C, D; alte reviste naționale**

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, Rominu 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 M, Pop DM, Rominu RO, Petrescu EL, Stoia A, Rominu 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. Sinescu C, Tatar R, Negrutiu M, Rominu M, Podoleanu AGh, Hughes M, Bradu A, Filip I, Clonda C, Investigatii neinvazive ale interfețelor os/material de regenerare osoasă utilizând tomografia optic coerentă ghidată de microscopia confocală, Dental Target, vol. IV, nr.2 (11), pg. 40 – 42, ISSN 1842-2054, 2009
6. Sinescu C, Negrutiu M, Rominu M, Petrescu E, Haiduc C, Podoleanu AGh, Hughes M, Bradu A, Filip I, Clonda C, Control nedistructiv al protezelor parțiale fixe metalo-polimerice utilizând tomografia optic coerentă, Dental Target, vol. IV, nr.1 (10), pg. 28 – 30, ISSN 1842-2054, 2009
7. Negrutiu M, Alternative Methods for the Detection of the Material Defects in Different Types of Dental Prostheses, Medicine in Evolution, vol XIV, nr.3, 10 – 14, ISSN 1454-8224, 2008
8. Marcautuanu C., Demjan E., Negrutiu M, Ianes E., Sinescu C., Moldovanu M., Canine Guidance Restoration in bruxing Patients – Aesthetic and Occlusal Priority, Medicine in Evolution, vol XIV, nr.3, 15 – 18, ISSN 1454-8224, 2008
9. Sinescu C., Negrutiu M, Hughes M., Bradu A., Dobre G., Romînu M, Podoleanu A. Gh., Combining The Optical Coherence Tomography and Confocal Microscopy in Detection of Material Defects in Ceramic Fixed Partial Dentures, Medicine in Evolution, vol XIV, nr.3, 29 – 33, ISSN 1454-8224, 2008
10. Romînu M, Florita Z, Haiduc C, Sinescu C, Rominu RO, Negrutiu 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
11. Marcautuanu C., Sinescu C., Negrutiu M, Demjan E., Dobre G., Podoleanu A. Gh, Noninvasive Alternative Techniques for the Early Detection of Occlusal Overload, Medicine in Evolution, vol XIV, nr.3, 73 – 76, ISSN 1454-8224, 2008
12. Negrutiu M, Sinescu C., Pop D.M., Rominu 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, 2008
13. Sinescu C., Negrutiu M, Hughes M, Bradu A., Romînu M, Laissue P.L, Dobre G., Podoleanu A. Gh., Complex Identification of Material Defects in Ceramic Fixed Partial Dentures using the Optical Coherence Tomography (OCT) and Confocal Microscopy, Medicine in Evolution, vol XIV, nr.2, 29 – 33, ISSN 1454-8224, 2008
14. 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

15. Marcauteanu C., Sinescu C., Negrutiu M., Dobre G., Demjan E., Goguta L., Jivanescu A., Podoleanu A. Gh, Preliminary Optical Coherence Tomography Investigation of Toothwear, Medicine in Evolution, vol XIV, nr.2,19 – 21, ISSN 1454-8224, 2008
16. 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
17. 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
18. 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
19. 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
20. 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
21. Negrutiu M., Sinescu C., Todea C., Resiga R., Bernard S., Rominu R.O., Metode Alternative de Optimizare a Arborizatiei de Turnare: Investigatie Analogica Versus Simulare Numerica, Dental Target, vol. III, nr. 6, 44 – 47, ISSN 1842-2054 2008
22. Goguta L., Marsavina L., Topala F., Bratu D., Marcauteanu C., Negrutiu M., Sinescu C., Rezistenta la incovoiere a rasinii acrilice termopolimerizabilearmate cu fibre de sticla,Tinerii si Cercetarea Multidisciplinara, Proceedings of the Xth International Symposium, 204 - 209,1843-6609
23. 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
24. 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

25. 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
26. Sinescu C., Negrutiu M., Terteleac A., Romînu M, Clonda C., Filip I., Fibre de armare investigate cu un sistem laser neinvaziv, Tinerii si Cercetarea Multidisciplinara, Proceedings of the Xth International Symposium, 228 – 232, ISSN 1843-6609, 2008
27. Stoia A, Romînu M, Sinescu C., Negrutiu M., Rominu R.O., Haiduc C., Metode de investigare a interfetelor in medicina dentara, Tinerii si Cercetarea Multidisciplinara, Proceedings of the Xth International Symposium, 237 – 241, ISSN 1843-6609, 2008
28. Rominu M, Sinescu C., Dodenciu D, Negrutiu M., Florița Z, Drăgănescu G, Kigossy A, Analiza variației temperaturii la nivelul camerei pulpare utilizând un sistem de tip termistor, Dental Target, vol II, nr. 5, pg.42-43, 2007
29. Sinescu C, Negruțiu M., Todea C, Podoleanu AGh., Hughes M, Laissue Ph., Clonda C, Tomografia optic coerentă ca metodă neinvazivă utilizată în identificarea defectelor de material în masele ceramice ale protezelor parțiale fixe, Dental Target, vol II, nr. 5, pg.16-18, 2007
30. Sinescu C., Negruțiu M., Drăgănescu G., Dodenciu D., Romînu M. , Analiza fonetică cantitativă a poziționării protezelor parțiale fixe cu parametrul fractal Hurst (partea 2), Dental Target, vol II, nr. 3,pg.35-37, 2007
31. Sinescu C, Negruțiu M., Drăgănescu G, Dodenciu D, Romînu M, Analiza fonetică cantitativă a poziționării protezelor parțiale fixe cu parametrul fractal Hurst partea 1, Dental Target, vol II, nr. 2, pg.26-28 , 2007.
32. Negrutiu M., Podoleanu A, Todea C, Balabuc C, FilipL, Determinarea microinfiltrației la nivel apical utilizând tomografia optic coerentă, ACMV-Tinerii si Cercetarea Multidisciplinara, Proceeding of the IX International Symposium, 15-16 noiembrie, 254-257, Editura Mirton, ISSN: 1843-6609, 2007
33. 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
34. Sinescu C., Negruțiu M., Todea C, Leretter M., Cozarov D, Sudarea aliajelor dentare cu laser, Dental Target, vol 1, nr.1, 2006.

35. Negruțiu M., Sinescu C., Sticlaru C., Davidescu A, Investigații neinvazive ale comportamentului protezelor parțiale realizate din materiale termoplastice pe bază de poliamide și copoliamide, Dental Target, vol 1, nr.1, 2006.
36. Sinescu C., Negruțiu M., Dodenciu D., Romînu M. , O nouă metodă de analiză a defectelor din infrastructura metalică a protezelor parțiale fixe, Tehnica Dentară, anul V, 2(21),pg.36-37, 2006
37. Sinescu C., Negruțiu M., Todea C, Romînu M , Application du laser dans la technique dentaire, Inginerie asistee par ordinateur et nouveaux matériaux, ed. Orizonturi Universitare, Timișoara, pg.207-214, 2006
38. Sinescu C., Podoleanu A., Negruțiu M., Romînu M. , Investigații de acuratețe utilizând tehnologia tomografiei optic coerente în analiza zonei apicale dentare, Histologie și Histopatologie orală și Maxilo-Facială - cu referințe clinice, Editura Eurobit , 2006
39. Sinescu C., Negruțiu M., Romînu M., Resiga R. , Studii de simulare numerică a curgerii sângelui la nivelul capilarelor dentare, Histologie și Histopatologie orală și Maxilo-Facială – cu referințe clinice, Editura Eurobit , 2006
40. Sinescu C., Negruțiu M., Romînu M., Negru R., Hlușcu M., Faur N , Modificările structurale la nivelul osului alveolar ca urmare a exercitării forțelor ocluzale. Studii de fotoelasticitate tridimensionale, Histologie și Histopatologie orală și Maxilo-Facială – cu referințe clinice, Editura Eurobit , 2006
41. Sinescu C., Hluscu M, Negruțiu M., Romînu M, Investigarea numerică a comportamentului unei proteze parțiale fixe adezive, Tehnica Dentară, anul IV, nr. 6(19), pg.28-32, 2005.
42. Sinescu C., Negru R., Negruțiu M., Romînu M., Tehnica fotoelasticității în protetica fixă, Tehnica Dentară, anul IV, nr. 6(19), pg.16-24, 2005.
43. Sinescu C., Negruțiu M., De Sabata A., Romînu M, Modele holografice în medicina dentară. Tehnica Dentară, anul IV, nr.17-18, pg.18-20, iulie-octombrie, 2005
44. Sinescu C., De Sabata A., Negruțiu M., Romînu M, Modalități moderne de investigare a protezelor parțiale fixe, Tehnica Dentară, anul IV, nr. 16, pg.24-29, mai-iunie, 2005
45. Negruțiu M., Romînu M., Lakatos S., Florița Z, Schinteie D, Rezistența la percolare a interfețelor Targis/Vectris comparativ cu Targis/Targis-Link/aliaj Co-Cr, Revista Națională de Stomatologie, Chirurgie Maxilo-Facială și Chirurgie Orală, vol. II, nr. 2, p. 64-70, 2004
46. Negruțiu M., Bratu C, Florita Z., Sisteme adezive în pedodontie, Revista Nationala de Stomatologie, Chirurgie Maxilo-faciala si Chirurgie Orala, Vol.II, 2, pg.26-29, Bucuresti, 2004

47. 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
48. 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
49. 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
50. Lakatos S, Romînu M, Florița Z, Negruțiu M., Efectul sablării asupra adeziunii titan-ceramică, Revista Națională de Stomatologie, Chirurgie Maxilo-Facială și Chirurgie Orală, vol.I, nr. 3, 36-40, 2003.
51. Schinteie D., Rominu M., Negruțiu M., Florița Z., Lakatos S., Influența tehnologiei de realizare asupra rezistenței la încovoiere a protezelor mobile și mobilizabile, Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed.Sudura, Timișoara, 2003.
52. Schinteie D, Todea C, Negruțiu M., Florita Z, Reducerea bacteriemiei tranzitorii consecutivă intervențiilor orale invazive prin asocierea terapiei laser la terapia conventională, Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed.Sudura, Timisoara, 2003
53. Romînu M., Bratu D., Uram-Țuculescu S., Negruțiu M., Preparații peliculare în clinica punților adezive, Revista Națională de Stomatologie, Vol. IV, nr. 1, 22-29, 2001.
54. Negruțiu M., Bratu D., Romînu M., Florița Z, Polimeri utilizați în tehnologia protezelor mobile și mobilizabile, Revista Națională de Stomatologie, Vol. IV, nr. 1, 30-41, 2001.
55. Bucerzan F, Romînu M, Negruțiu M., Sinescu C., Moldovan R, Refaceri coronare cu inserturi ceramice de tip beta - cuarț. Aspecte microscopice, Revista de Stomatologie - Revista Facultăților de Stomatologie din Arad și Timișoara, Anul V, nr. 1-2 ianuarie - iunie, 46-50, 2001.
56. Sinescu C, Romînu M., Negruțiu M., Uram - Țuculescu S., Moldovan R, Valoarea diagnostică a termografiei în cazul disfuncțiilor temporo-mandibulare, Revista de Stomatologie - Revista Facultăților de Stomatologie din Arad și Timișoara, Anul V, nr. 1-2 ianuarie - iunie, 53-55, 2001.
57. Negruțiu M., Romînu M., Florița Z., Sinescu C., Influența tehnologiei de prelucrare asupra calității polimerilor pentru proteze mobile și mobilizabile, Revista de Stomatologie - Revista



Facultăților de Stomatologie din Arad și Timișoara, Anul V, nr. 1-2 ianuarie - iunie, 107-112, 2001.

58. Negruțiu M., Sinescu C., Romînu M., Uram-Țuculescu S., Hlușcu M., Sisteme CAD/CAM/CAE utilizate în injectarea polimerilor pentru proteze mobile și mobilizabile, Revista de Stomatologie - Revista Facultăților de Stomatologie din Arad și Timișoara, Anul V, nr. 1-2 ianuarie - iunie, 9-13, 2001.
59. Negruțiu M., Romînu M., Stroia M., Perianu L, Targis – Vectris – Aspecte clinico-tehnice, Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed. Sudura, Timisoara, 2001.
60. Rominu M., Bratu D., Negrutiu M., Florita Z, Longevitatea puntilor adezive. Studiu longitudinal pe 4 ani. Revista Nationala de Stomatologie, vol.III, nr.3-4, pg.8-13, Bucuresti, 2000
61. Bratu D., Uram - Țuculescu S., Romînu M., Negruțiu M., Lakatos S., Aspecte de turnabilitate a titanului în stomatologie, Revista Națională de Stomatologie, vol. III, nr. 1, 7 - 12, 2000.
62. Negrutiu M., Sinescu C., Fabricky M., Topala F., Uram-Tuculescu S, Metode de inregistrare si simulare in laborator a rapoartelor intermaxilare. Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, pg.220-229, ed.Mirton, Timisoara, 2000
63. Sinescu C., Negrutiu M., Moldovan R, Uram-Tuculescu S, In drum spre simulatorul virtual al aparatului dento-maxilar. Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, pg. 254-259, ed.Mirton, Timisoara, 2000
64. Negruțiu M., Romînu M., Fabricky M., Targis-Vectris, un sistem de realizare a restaurărilor protetice conjuncte fără infrastructură metalică, Revista Asociației pentru Cercetare Multidisciplinară din Zona de vest a României, pg.217-224, ed.Sudura, Timisoara, 1999.
65. Negruțiu M., Bratu D., Romînu M., Borțun C., Floriță Z., Injectarea acrilatelor în tehnologia protezelor totale, modă sau necesitate?, Medicina Stomatologică, vol. 2, nr. 4, 1998.
66. Bratu D., Bratu Em., Romînu M., Negruțiu M., Atitudinea stomatologului față de pacienții supuși unei terapii anticoagulante, Medicina Stomatologică, vol. I, nr. 5, septembrie-octombrie, 20 - 25, 1997.
67. Romînu M., Negruțiu M., Fabricky M, Bratu D, Transfixația dentară, aspecte clinice și terapeutice, Spitalul, An III, nr. 3, 54-58, 1996
68. Bratu D., Mick M., Bratu Em., Negruțiu M – Experiența noastră cu implantate de tranfixație dentară, Timișoara Medicală, ed. Omagiala, vol XL, 18-25, 1995

## **10. Prezentări la Congrese internaționale - în străinătate (care nu au proceedings-uri, doar rezumate)**

1. Sinescu C., Negrutiu M.L., Stratul S.I., Topala F.I., R.M.Negru, Leretter M.I., Marsavina L., Duma V.F., A.Gh. Podoleanu, Quality Assessment of Ceramic Materials Defects by Different Imagistic Methods, IADR, Dubrovnik, Croatia, 2014, J Dent Res 93(Spec Iss C), pg.485, Paper Nr. 192214
2. Sarbu C, Stratul S.I., Jentsch H., Marinescu A., Boariu M., Kasaj A., Negrutiu M.L., Sinescu C., Ogorescu A., Jianu A., Calniceanu H., Final Clinical Evaluation of a Gingiva adhesive Hydrophobic –CHX-gel in Chronic Periodontitis, IADR, Dubrovnik, Croatia, 2014, J Dent Res 93(Spec Iss C), pg.60, Paper Nr.192393.
3. Stratul S.I., Rusu D., Roman A., Ogorescu A., Vela O.C., Jianu A., Surlin P., Boariu M., Negrutiu M.L., Sinescu C., Marinescu A., Generalized Adult Aggressive Periodontitis Associated with Dermatomyositis polymyositis, IADR, Dubrovnik, Croatia, 2014, J Dent Res 93(Spec Iss C), pg.265, Paper Nr.192409.
4. Krems C., Sinescu C., Negrutiu M.L., Stratul S.I., Bortun C.M., Podariu A.C., Smile Design Evaluation in the Facial Context, , IADR, Dubrovnik, Croatia, 2014, J Dent Res 93(Spec Iss C), pg.486, Paper Nr. 192517
5. Sinescu C, Negrutiu ML, Marsavina L, Rominu M, Sinescu CI, Podoleanu AGh, Optical coherence tomography evaluation of class II resin composite direct fillings: advantages and disadvantages, 7th NIH Inter-Institute Workshop on Optical Diagnostic and Biophotonic Methods from Bench to Bedside, National Institutes of Health Bethesda, Maryland, USA, 15 - 16 Sept 2011, <http://spie.org/NIH-Workshop.xml>, sept 2011
6. 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
7. 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
8. Goguta L, Sinescu C, Marcautuanu C, Negrutiu ML, Demjan ET, Topala F, Hughes M, Bradu A, Dobre G, Podoleanu AG, Preliminary optical coherence tomography investigation of the glass and polyethylene fiber reinforced composite splints, SPIE Photonics Europe 2010, Biophotonics: Photonic Solutions for Better Health Care II, 12–16 April 2010 Brussels, Belgium, Technical Programme, apr 2010

9. Marcauteanu C, Todea C, Balabuc C, Demjan ET, Sinescu C, Negrutiu ML, Goguta L, Topala F, Hughes M, A Bradu A, Dobre G, Podoleanu AGh, Microstructural characterization of cervical sclerotic dentin treated with Er:YAG laser: a preliminary en face OCT investigation, SPIE Photonics Europe 2010, Biophotonics: Photonic Solutions for Better Health Care II, 12–16 April 2010 Brussels, Belgium, Technical Programme, apr 2010
10. Sinescu C., Negrutiu M. L., Marsavina L., Negru R., Hluscu M., Bradu A., Hughes M. R., Antonie S., Leretter M., Romînu M, Podoleanu A.G., Optical coherence tomography implied in implant bone interface investigation: numerical simulation and tensional stamps as complementary non invasive methods, SPIE Medical Imaging 2010. Conference 7626: Biomedical Applications in Molecular, Structural, and Functional Imaging, 14–16 February 2010, San Diego, California, United States, Technical Abstract Summaries, feb 2010
11. Marcauteanu C, Demjan E. T., Sinescu C., Negrutiu M. L., Topala F., Clonda C., Hughes M., Bradu A., Dobre G. M., Podoleanu A. G., Preliminary optical coherence tomography investigation of early non-carious cervical lesions, SPIE Medical Imaging 2010. Conference 7626: Biomedical Applications in Molecular, Structural, and Functional Imaging, 14–16 February 2010, San Diego, California, United States, Technical Abstract Summaries, feb 2010
12. Negrutiu ML, Sinescu C., Fibre reinforced prostheses investigated with opto-electronic non invasive method: optical coherence tomography, SPIE Medical Imaging 2010, Conference 7626: Biomedical Applications in Molecular, Structural, and Functional Imaging, 14–16 February 2010, San Diego, California, United States, Technical Abstract Summaries, feb 2010
13. 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
14. Negrutiu ML, Sinescu C, Rominu R.O., Goguta L., Dobre G., Petrescu E.L., Gavrilovici A., Podoleanu A.Gh., Quality assessment of denture polymers, The 22nd European Conference on Biomaterials (ESB2009), Sept. 7-11, 2009, Lausanne, Elvetia, <http://www.esb2009.org/esb2009/index.htm>, 2009
15. Sinescu C., Negrutiu M.L., Dodenciu D., Hughes M., Bradu A., Dobre G., Canjau S., Rominu M., Podoleanu A.Gh., Material defects investigation in ceramic fixed partial dentures using polarization sensitive optical coherence tomography, The 22nd European Conference on Biomaterials (ESB2009) , Sept. 7-11, 2009, Lausanne, Elvetia, <http://www.esb2009.org/esb2009/index.htm>, 2009
16. Haiduc C.D., Sinescu C., Negrutiu M.L., Dodenciu D., Draganescu Gh., Petrescu E.L., Canjau S., Gavrilovici A., Rominu M., Microspectral analysis of prosthetic interfaces, The

22nd European Conference on Biomaterials (ESB2009), Sept. 7-11, 2009, Lausanne, Elvetia, <http://www.esb2009.org/esb2009/index.htm>, 2009

17. Marcauteanu C., Demjan E., Sinescu C., Negrutiu M.L., Todea C., Podoleanu A.Gh., Early Detection of Dental Wear in Bruxing Patients by En Face Optical Coherence Tomography, 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.162, 2009
18. 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
19. Sinescu C, Negrutiu M.L., Negru R., Todea C., Rominu M., Podoleanu A.Gh., Numerical Simulation and Photoelasticity Approach on Biomechanical Comportment of the Material Defects Inside the Ceramic Prostheses Depicted with En-face Optical Coherence Tomography, 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.171, 2009
20. Sinescu C., Negrutiu M., Romînu M, Laissue P., Clonda C., Hughes M., Bradu A., Dobre G., Podoleanu A. Gh., Combining Optical Coherence Tomography and Confocal Microscopy. Investigation of the Defects inside the Ceramic Fixed Partial Dentures, 1st Canterbury Workshop in Optical Coherence Tomography and Adaptive Optics, 2008
21. Sinescu C, Negrutiu M, Hughes M, Bradu A, Romînu M, Laissue P, Dobre G, Podoleanu A, Optical coherence tomography: Applications in dentistry, Annual Meeting of the Swiss Society for Biomaterials. Basel, Switzerland, May 9, 2008, European Cells and Materials Vol. 16. , 10, 1473-2262, 2008
22. Romînu RO, Sinescu C, Romînu M, Negrutiu M, Hughes M, Bradu A, Dodenciu D, Laissue P, Mihali S, Podoleanu AGh, Investigation of the bond strength of aesthetic brackets on human enamel – an innovative approach, Annual Meeting of the Swiss Society for Biomaterials. Basel, Switzerland, May 9, 2008, European Cells and Materials, Vol. 16, Suppl. 1, pg 49, 1473-2262, 2008
23. Negrutiu M, Sinescu C, Goguta L., Hughes M., Bradu A., Rominu R , Pop D., Cînjău 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
24. Florița Z, Pop DM, Haiduc CD, Stoia AE, Romînu RO, Negrutiu 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
25. Romînu M., Podoleanu A., Negruțiu M, Sinescu C., Mihali S., Modern noninvasive investigation technique for fixed partial bonded prostheses: optical coherence tomography, 2007 FDI Annual World Dental Congress, Dubai , 24-27 Oct 2007
  26. Sinescu C., Negruțiu M, Lakatos S., Rominu R, Al Jalabi Hamid, Anterior integral ceramic fixed partial denture realized with cad/cam technology Zeno (Wieland), 2007 FDI Annual World Dental Congress, 24-27 Oct 2007, Dubai
  27. Negruțiu M, Podoleanu A., Sinescu C., Haiduc C., Rominu R, Boboiciov M, Material defects in metal-ceramic fixed partial dentures detected with a noninvasive technology using optical coherence tomography, 2007 FDI Annual World Dental Congress, 24-27 Oct 2007, Dubai
  28. Leretter M, Sinescu C, Negruțiu M, Negru R, Faur N, Romînu M, Mihali S., Intraoral welding of implants abutments with a prefabricated titanium bar, Biosurf VII, Functional Interfaces for Directing Biological Response, Zürich 29-31.08.2007, Conference Booklet, p.51, European Cells and Materials Vol. 14. Suppl. 3, pg. 5, aug 2007
  29. Sinescu C, Podoleanu A, Negruțiu M, Todea C, Dodenciu D, Romînu M, Material defects investigation in fixed partial dentures using optical coherence tomography method , Biosurf VII, Functional Interfaces for Directing Biological Response, Zürich 29-31.08.2007, Conference Booklet, p.65, European Cells and Materials Vol. 14. Suppl. 3, pg.19, aug 2007
  30. Negruțiu M, Sinescu C, Drăgănescu G., Todea C, Dodenciu D., Romînu M., Clonda C. , Application of the laser microspectral analysis in dentistry: microleakage evaluation in fixed partial dentures, Biosurf VII, Functional Interfaces for Directing Biological Response, Zürich 29-31.08.2007, Conference Booklet, p.66, European Cells and Materials Vol. 14. Suppl. 3, pg.20, aug 2007
  31. Romînu RO, Sinescu C, Podoleanu A, Negruțiu M, Romînu M, Soicu AR, Sinescu C, The Quality of Bracket Bonding Studied by Means Of OCT Investigation. A Preliminary Study, Biosurf VII, Functional Interfaces for Directing Biological Response, Zürich 29-31.08.2007, Conference Booklet, p.67, European Cells and Materials Vol. 14. Suppl. 3, pg.21, aug 2007
  32. Sinescu C, Negruțiu M, Romînu M, Resiga R, Muntean S, Fluent Software implied in the methodology of numerical simulation of two-phased flows (liquid melting - gas) with the separation interface specific for the filling process of the pattern for the framework of fixed partial dentures, Medinfo 2007, Proceedings of the 12<sup>th</sup> World Congress on Health (Medical) Informatics, Brisbane, Australia, 19 - 24 August 2007.
  33. Sinescu C, Sticlaru C, Negruțiu M, Romînu M, Demian C, The PROE software Implied in numerical analysis of the fixed partial denture behaviour, Medinfo 2007, Proceedings of the

12<sup>th</sup> World Congress on Health (Medical) Informatics, Brisbane, Australia, 19 - 24 August 2007

34. Sinescu C., Podoleanu A., Negruțiu M., Romînu M., Optical coherent tomography investigation on apical region of dental roots, 13<sup>th</sup> General Meeting, Swiss Society for Biomaterials, 9 May, Neuchatel, Elveția, 2007, European Cells and Materials, Vol. 13. Suppl. 3, pg.14, mai 2007
35. Sinescu C, Negruțiu M, Negru R, Florita Z, Faur N, Root Canal Tensions Investigated With Electric Tensional Stamps During the Rotative Instrumentation, 13<sup>th</sup> General Meeting, Swiss Society for Biomaterials, 9 May, Neuchatel, Elveția, 2007, European Cells and Materials, Vol. 13. Suppl. 3, pg.15, mai 2007
36. Haiduc C, Dodenciu D, Sinescu C, Negruțiu M, Draganescu G, Mara V., Pulp chamber temperature variations using three types of light curing units,SSB 13th General Meeting, DSR-Cite Universitaire, CH 2002 Neuchatel, 9 mai, 2007, European Cells and Materials, Vol. 13. Suppl. 3, pg.19, mai 2007
37. Negruțiu M, Sinescu C, Sticlaru C, Davidescu A, Romînu M, The analysis of removable partial dentures with clasps made from thermoplastic and chemoplastic materials. A biomechanical approach of the interface between clasps and denture, SSB 13th General Meeting, DSR-Cite Universitaire, CH 2002 Neuchatel, 9 mai, 2007, European Cells and Materials, Vol. 13. Suppl. 3, pg.20, mai 2007
38. Negruțiu M, Sinescu C, Romînu M, Drăgănescu G, Optimization of physical parameters in laser welding procedure for fixed partial dentures technology, SSB 13th General Meeting, DSR-Cite Universitaire, CH 2002 Neuchatel, 9 mai, 2007, European Cells and Materials, Vol. 13. Suppl. 3, pg.21, mai 2007
39. Romînu M, Sinescu C, Dodenciu D, Negruțiu M, Kigyosi A, A method for measuring the pulp chamber temperature during light curing, SSB 13th General Meeting, DSR-Cite Universitaire, CH 2002 Neuchatel, 9 mai, 2007, European Cells and Materials, Vol. 13. Suppl. 3, pg.29, mai 2007
40. Sinescu C, Sticlaru C, Negruțiu M, Romînu M, Davidescu A, Removable partial dentures with clasps made from thermoplastic and chemoplastic materials, a numerical simulation investigation with ProE software, Trend, Technology and Innovation in Comprehensive Oral Health Care, 29th Asia Pacific Dental Congress, Jakarta, Indonezia, 25 – 29 Aprilie, 2007.
41. Sinescu C, Negruțiu M, Romînu M, Cozarov D, Laser welding as a soldering alternative technology in modern dentistry, Trend, Technology and Innovation in Comprehensive Oral Health Care, 29th Asia Pacific Dental Congress, Jakarta, Indonezia, 25 – 29 Aprilie, 2007.
42. Sinescu C, Negruțiu M, Mihai Hlușcu, Romînu M, Faur N, Noninvasive investigation by numerical simulation of an adhesive fixed partial denture, Trend, Technology and Innovation

- in Comprehensive Oral Health Care, 29th Asia Pacific Dental Congress, Jakarta, Indonezia, 25 – 29 Aprilie, 2007.
43. Sinescu C, Negru R, Negruțiu M, Romînu M, Faur N, The noninvasive investigations of the tensions generated by fixed partial prosthesis over the prosthetic field using threedimensional photoelastic method, Trend, Technology and Innovation in Comprehensive Oral Health Care, 29th Asia Pacific Dental Congress, Jakarta, Indonezia, 25 – 29 Aprilie, 2007.
  44. Sinescu C, Podoleanu A, Negruțiu M, Romînu M, Optical coherence tomography method used in integral polymer fixed partial dentures investigations, Trend, Technology and Innovation in Comprehensive Oral Health Care, 29th Asia Pacific Dental Congress, Jakarta, Indonezia, 25 – 29 Aprilie, 2007.
  45. Todea C, Drăgănescu G, Sinescu C, Negruțiu M, Balabuc C, Filip L, Investigation of Microleakage in Teeth with the Aid of Laser Methods, World Federation for Lasers in Dentistry, European Division, First Meeting, Nice, France, 27 – 28 aprilie, 2007, Lasers in Medical Science, 22 (4): 312, nov.2007
  46. Filip L, Dodenciu D, Miron M, Balabuc C, Negruțiu M, Kereszi C, Todea C, Evaluation of Electrical Conductance Changes after 980 nm High Power Diode Laser Irradiation of the Root Canal, World Federation for Lasers in Dentistry, European Division, First Meeting, Nice, France, 27 – 28 aprilie, 2007, Lasers in Medical Science, 22 (4): 311, nov.2007
  47. Sinescu C., Podoleanu A., Negruțiu M, Todea C., Hlușcu M., Romînu M, Numerical Simulation and optical coherence tomography method used in resin bonded fixed partial dentures, World Federation for Lasers in Dentistry, European Division, First Meeting, Nice, France, 27 – 28 aprilie, 2007, Lasers in Medical Science, 22 (4): 306, nov.2007
  48. Negruțiu M, Podoleanu A, Sinescu C, Todea C, Fixed Partial Denture Investigated By Optical Coherence Tomography, World Federation for Lasers in Dentistry, European Division, First Meeting, Nice, France, 27 – 28 aprilie, 2007, Lasers in Medical Science, 22 (4): 305-306, nov.2007
  49. Todea C., Filip L.M., Bălăbuc C., Negruțiu M, Sinescu C., Drăgănescu Gh., Effect of laser irradiation on root canal microleakage:an in vitro study. Spie Photonics West, 20-25 Jan.2007 San Jose California, USA, BIOS 2007, Conference 6425 – Lasers in Dentistry XIII, present.nr.6425-24, 2007
  50. Sinescu C., Podoleanu A., Negruțiu M, Romînu M., Clonda C., Integral Polymer Fixed Partial Dentures Investigations Using Optical Coherente Tomography Method, 2nd International Laser Dentistry Conference, Dubai, 11 – 12 January, 2007
  51. Negruțiu M, Sinescu C., Cozarov D., Romînu M., Clonda C., A new Method of Repair Partial Dentures. Laser Welding, 2nd International Laser Dentistry Conference, Dubai, 11 – 12 January, 2007



52. Sinescu C., Negrutiu M., Numerical simulation investigations of the injected partial dentures with clasps, The American Dental Association's 147th Annual Session, October 16–19, 2006, Las Vegas, USA
53. Negrutiu M., Sinescu C, Thermoplastic versus chemoplastic systems: a comparative study, The American Dental Association's 147th Annual Session, October 16–19, 2006, Las Vegas, USA
54. Negrutiu M., Stoia C, New device for thermoplastic material injection, The American Dental Association's 147th Annual Session, October 16–19, 2006, Las Vegas, USA
55. Negrutiu M., Podoleanu A, Optical coherence tomography investigation on injected thermoplastic partial denture, The American Dental Association's 147th Annual Session, October 16–19, 2006, Las Vegas, USA
56. Sinescu C., Sinescu C., Negrutiu M., Romînu M, Hurst fractal parameter in phonetic positioning of fixed partial dentures, FDI Annual World Dental Congress, Shenzhen, China, 22-25 september 2006
57. Sinescu C., Drăganescu Gh., Negrutiu M., Romînu M., Petrescu E, The power of the spectral band analysis Nanoeurope 2006, St. Gallen, Elveția, 12 - 14 September 2006
58. Sinescu C., D Sinescu C., Drăganescu Gh., Negrutiu M., Romînu M., Petrescu E, The Hurst parameter: a new criteria used for quantitative measurement of speech sounds, Nanoeurope 2006, St. Gallen, Elveția, 12 - 14 September 2006
59. Drăgănescu G.E., Negrutiu M., Romînu M., An inadequate dental mounting. The power of the A spectral band analysis, Nanoeurope 2006, St. Gallen, Elveția, 12 - 14 September 2006
60. Todea C., Bălăbuc C., Miron M., Filip L., Negrutiu M., Sinescu C., Demian C., Effect of laser irradiation on root canal microleakage. 10th Meeting of ISLD & 15th Annual Congress of DGL, Berlin, May 18-20, 2006, Zeitschrift für Laser Zahnheilkunde, Quintessenz Verlag, Sonderausgabe, nr.2, pg.157, 2006, VKZ 64143, ISSN 1613-2173
61. Sinescu C., Negrutiu M., De Sabata A., Romînu M., Todea C. - Alternative Models in Dentistry - Holographic Methods. 10th Meeting of ISLD & 15th Annual Congress of DGL, Berlin, May 18-20, 2006, Zeitschrift für Laser Zahnheilkunde, Quintessenz Verlag, Sonderausgabe, nr.2, pg.151, 2006, VKZ 64143, ISSN 1613-2173
62. Negrutiu M., Sinescu C., Balabuc C., Cozarov D., Romînu M., Todea C. - Investigation on laser welding in dental laboratory technique, 10th Meeting of ISLD & 15th Annual Congress of DGL, Berlin, May 18-20, 2006, Zeitschrift für Laser Zahnheilkunde, Quintessenz Verlag, Sonderausgabe, nr.2, pg.135, 2006, VKZ 64143, ISSN 1613-2173

63. Miron M., Balabuc C., Filip L., Drăgănescu G., Negruțiu M., Sinescu C., Todea C, A preliminary study in using laser doppler flowmetry as an elective method for pulp vitality detection. 10th Meeting of ISLD & 15th Annual Congress of DGL, Berlin, May 18-20, 2006, Zeitschrift für Laser Zahnheilkunde, Quintessenz Verlag, Sonderausgabe, nr.2, pg.130, 2006, VKZ 64143, ISSN 1613-2173
64. Bălăbuc C., Miron M., Filip L., Negruțiu M., Sinescu C., Drăgulescu D., Todea C. - Dentine microhardness in root canals after irradiation with a high-power Diode laser: an in vitro study 10th Meeting of ISLD & 15th Annual Congress of DGL, Berlin, May 18-20, 2006, Zeitschrift für Laser Zahnheilkunde, Quintessenz Verlag, Sonderausgabe, nr.2, pg.90, 2006, VKZ 64143, ISSN 1613-2173
65. Sinescu C., Negruțiu M., Romînu M., Florița Z., Lakatos S., Fixed partial bridge degradation due to the tensions generated by occlusal loading. A numerical simulation approach. Conference on Biomaterials SSB 10.05. 2006. Abstracts published in European Cells & Materials Journal, vol 11, suppl 2, p.32, ISSN 1473-2262, 2006
66. Sinescu C., Hlușcu M., Romînu M., Negruțiu M., Stoia A, Teeth preparations degradation due to the tensions generated by adhesive fixed partial prosthesis on the prosthetic field. A numerical simulation approach. Conference on Biomaterials SSB 10.05.2006. Abstracts published in European Cells & Materials Journal, vol 11, suppl 2, p.31, ISSN 1473-2262, 2006
67. Negruțiu M., Sinescu C., Negru R., Romînu M., Haiduc C, Bone degradation due to the tensions generated by fixed partial prosthesis. A three dimensional photoelastic approach. 12th Swiss Conference on Biomaterials SSB 10.05.2006. Abstracts published in European Cells & Materials Journal, vol 11, suppl 2, p.24, ISSN 1473-2262, 2006
68. Pop I.D., Bretean A.C., Sinescu C., Negruțiu M., Romînu M, Modern qualitative and quantitative technique of the positioning of fixed partial dentures in the frontal area: Hurst phontecic parameter, EDSA Congress, Abstract book, pg.113 Novisad, Serbia-Montenegro 22-24.04.2006
69. Clonda C., Sinescu C., Negruțiu M., Romînu M, Virtual models generated with holographic techniques, EDSA Congress, Abstract book, pg.43 Novisad, Serbia-Montenegro 22-24.04.2006
70. Lakatos S., Florita Z., Negruțiu M., Rominu M, The microleakage between alloy and polymeric materials in veneer crowns, 7th Congress of The Balkan Stomatological Society, 28-30 March, Kusadasi, Turkey, 2002
71. Negruțiu M., Rominu M., Florita Z., Moldovan R, Targis-Vectris: Long-term temporary restorations. Dental Progress 2000, Abstracts of Congress Lectures, pg.13-14, december 1-2, Vienna, 2000

72. Sinescu C., Uram-Tuculescu S., Muntean S., Negrutiu M, Numerical simulation of dental alloys casting finite volume analysis of the inviscid and viscous flow in a S shaped channel, Comunicare, 3rd Balkan Congress of Medicine and dentistry for students and young doctors, Abstract book, pg.29, Bursa, Turkey, November 5-7, 1999
73. Sinescu C., Caragea M., Florita Z., Uram-Tuculescu S., Negrutiu M, Orthographic double-beam holographic interferometry for limited-view optical tomography. 3rd Balkan Congress of Medicine and dentistry for students and young doctors, Abstract book, pg.28, Bursa, Turkey, November 5-7, 1999
74. Uram-Tuculescu S., Bratu D., Negrutiu M, Fabricky M, Succes and failure in titanium casting, technological aspects, XVth Jubilee Arkövy Congress of Hungarian Dentists '98, Abstract book, pg.136, 25-29 august, Budapesta 1998

## **11. Prezentări la manifestări științifice naționale cu participare internațională / naționale– in Romania**

1. Negrutiu ML, Sinescu C , Bortun CM, Hoinoiu B, Manescu A , Podoleanu AGh, Multiple imagistic approach on modified adhesive used for the increasing the scattering in class I teeth restoration, 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2014, sept 17-20, <http://biommedd2014.srb.ro>, Constanta, 2014
2. Rusu LC, Sinescu C, Negrutiu ML, BortunCM , HoinoiuB, Podariu AC, Giuliani A, Manescu A, Bone Augmentation Procedures Investigation by synchrotron radiation micro-CT, 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2014, sept 17-20, <http://biommedd2014.srb.ro>, Constanta, 2014
3. Sinescu C, Negrutiu ML, Topala FI ,Duma VF, Bradu A, Podoleanu AGh, Optical coherence tomography investigations of bleaching procedures, 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2014, sept 17-20, <http://biommedd2014.srb.ro>, Constanta, 2014.
4. Sinescu C, Negrutiu ML, Topala FI, Hoinoiu B, Duma VF, Bradu A, Podoleanu AGh, Non-invasive methods of evaluation for dental constructs, 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2014, sept 17-20, <http://biommedd2014.srb.ro>, Constanta, 2014.
5. Boariu M., Marinescu A, Nica L, Carligeriu L, Sinescu C, Negrutiu M, The current state of biomaterials in periodontology, Biommedd 2014, Constanta, 2014.
6. Cirligeriu L, Sinescu C, Boariu M, Marinescu A, Leretter M, Negrutiu ML, Early diagnosis of proximal carious lesions: traditional versus digital imaging fiber-optic transillumination, 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2014, sept 17-20, <http://biommedd2014.srb.ro>, Constanta, 2014.

7. Craciunescu EL, Sinescu Cosmin, Negrutiu ML, Pop Daniela-Maria, Lauer Hans Christian, Romînu Mihai, Shear bond strength of zirconia veneering ceramics after multiple burnings, 6th International Conference “Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2014, sept 17-20, <http://biommedd2014.srb.ro>, Constanta, 2014.
8. Krems C, Sinescu C, Negrutiu ML, Podariu AC, Techniques in aesthetic dentistry activity, Al XIX-lea Congres cu participare internațională al Zilelor Medicale Banăţene, Timișoara, 22-24 mai 2014
9. Bold P, Popa CS, Moca BI, Turc C, Sinescu C, Negrutiu ML, Bold A, An overview of ultrasound applications in general medicine and dentistry, Al XIX-lea Congres cu participare internațională al Zilelor Medicale Banăţene, Timișoara, 22-24 mai 2014
10. Rusu LC, Negrutiu ML, Sinescu C, Manescu A, Zaharia C, Marcauteanu C, Stoica ET, Ardelean L, Micro CT with SYnchrotron Radiation – Application in dentistry, Al XIX-lea Congres cu participare internațională al Zilelor Medicale Banăţene, Timișoara, 22-24 mai 2014
11. Tătucu A, Armani G, Zaharia C, Gabor A, Coordonatori: Nica L, Sinescu C, Negrutiu M, Topală F, Evaluation of the complex endodontic morphology by imagistic methods, Abstractbook , DenTim 2012- International Congress of Dental Medicine for Students and Young Doctors, 6<sup>th</sup> Edition, Timișoara, 29-31.03.2012. Abstractbook, pg.66-67, 2012
12. Negrutiu ML, Sinescu C, Topala FI, Ionita C, Goguta L, Marcauteanu C, Petrescu EL, Rominu M, Podoleanu AGh, Imagistic Evaluation of Various Polymeric Materials Used in Dentistry: MicroCT and SEM Validation of En Face OCT Investigations, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Suppl.1, 2011
13. Sinescu C, Negrutiu M, Dodernciu D, Marsavina L, Topala F, Rominu M, Podoleanu AGh, Combining Optical Coherence Tomography with Rotary Instruments for a Safer Dental Cavity Preparation, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Suppl.1, 2011
14. Mărcăuțeanu C, Negrutiu M, Sinescu C., Stoica E. T., Ioniță C., Bradu A., Podoleanu A.Gh., En face optical coherence tomography investigation of occlusal overloaded bicuspid, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Suppl.1, 2011
15. Goguță L, Mărcăuțeanu C., Negrutiu M, Sinescu C., Stoica E.T., Topală F., Podoleanu A. Gh., Optical Coherence Tomography Investigation of the Fiber-Reinforced Composites, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Suppl.1, 2011

16. Petrescu E, Negrutiu M, Sinescu C, Rominu RO, Rominu M, Topala F, Podoleanu AGh, Optical Coherence Tomography Investigation of Repaired All Ceramic Crowns IPS Empress, 4th Ed. International Conference on Laser in Medicine, Sibiu, Romania, 22-24 Sept. 2011, TMJ, Vol. 61, Suppl.1, 2011
17. 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
18. Sinescu C, Topala F, Negrutiu ML, Marsavina L, Rominu M, Podoleanu AGh, Rusu LC, Milled, pressed and sintered ceramics evaluation with optical coherence tomography, Timmedica International, Congress and Exhibition ,4th edition, Programme TimMedica, ISBN 978-606-8054-45-2, iunie 2011
19. Sinescu C, Topala F, Negrutiu ML, Marsavina L, Rominu M, Podoleanu AGh, Speckel reduction in optical coherence tomography, Timmedica International, Congress and Exhibition ,4th edition, Programme TimMedica, ISBN 978-606-8054-45-2, iunie 2011
20. Negrutiu ML, Nica L, Sinescu C, Topală F, Ioniță C, Petrescu EL, Romînu M, Podoleanu AGh, Imagistic evaluation of root canal fillings: sem and microct validation for *en face* OCT Timmedica International, Congress and Exhibition ,4th edition, Programme TimMedica, ISBN 978-606-8054-45-2, iunie 2011
21. Soicu A, Rominu M, Negrutiu M, Sinescu C, Soicu S, Rominu RO, An interdisciplinary approach of a mandibular molar edentation – a case report, Timmedica International, Congress and Exhibition ,4th edition, Programme TimMedica, ISBN 978-606-8054-45-2, iunie 2011
22. Stoica ET, Mărcăuțeanu C., Sinescu C., Negrutiu M., Motoc A., Lighezan R., Vasile L., Topală F., Bradu A., Todea C., Podoleanu A.G., Optical coherence tomography investigation of the normal temporomandibular joint, International Congress Laser Bucharest 2010, Final Programme, [www.laserbucharest.org](http://www.laserbucharest.org), 2010
23. Stoia A.E., Topală F., Sinescu C., Negrutiu M.L., Romînu M, Bradu A., Dobre G., Podoleanu A.G., Features of the changes induced by organic solvents to the self cured PMMA layer using optoelectronic techniques, International Congress Laser Bucharest 2010, Final Programme, [www.laserbucharest.org](http://www.laserbucharest.org), 2010
24. Mărcăuțeanu C, Stoica E.T., Sinescu C., Negrutiu M., Goguță L., Vasile L., Bradu A., Todea C., Podoleanu A.G., Effects of occlusal overload on dental hard tissues. An *en face* optical coherence tomography investigation, International Congress Laser Bucharest 2010, Final Programme, [www.laserbucharest.org](http://www.laserbucharest.org), 2010

25. 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](http://www.laserbucharest.org), 2010
26. Sinescu C.,Negruțiu ML, Ioniță C, Topală F, Petrescu E, Romînu R,Pop DM, Mârșăvină 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](http://www.laserbucharest.org), 2010
27. 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](http://www.laserbucharest.org), 2010
28. Topală F., Sinescu C., Bradu A., Negruțiu M.L., Romînu M, Podoleanu A.G., 3D Reconstructions of dental restorations based on *en face* OCT images, International Congress Laser Bucharest 2010, Final Programme, [www.laserbucharest.org](http://www.laserbucharest.org), 2010
29. 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](http://www.laserbucharest.org), 2010
30. 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](http://www.laserbucharest.org), 2010
31. Bălăbuc C, Podoleanu A.G., Sinescu C., Negruțiu M., Miron M., Filip L., Todea C., En face OCT investigation of cavity microleakage after Er:YAG laser preparation, International Congress Laser Bucharest 2010, Final Programme, [www.laserbucharest.org](http://www.laserbucharest.org), 2010
32. 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](http://www.laserbucharest.org), 2010
33. Romînu M, Sinescu C., Negruțiu M.L., Topală F., Dodenciu D., Enescu M., Petrescu E., Romînu RO, Bradu A., Podoleanu AG, Modern approach of dental materials interface investigations, International Conference „Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
34. 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 Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
35. 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 Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
  36. 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 syncrystallization, International Conference „Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
  37. Ogorescu A., Zetu I., Ogorescu E., Martha K., Popescu M., Talpos S., Sinescu C., Negruțiu M. New Perspectives in the Treatment of Post-Orthodontic White Spot Lesions: ICON – the Infiltration Technique, International Conference „Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
  38. Ogorescu A, Martha K, Zetu I, Ogorescu E, Stratul S, Negruțiu M., Sinescu C, A Comparative Study between Self-etching and Acid-etching in the Debonding Pattern of Self-ligating Ceramic Brackets, International Conference „Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
  39. Ogorescu A, Ogorescu E, Martha K, Talpos S, Mihali S, Negruțiu M., Sinescu C, The Cone Beam Computed Tomography in the Interdisciplinary Management of Supernumerary Teeth, International Conference "Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
  40. Ogorescu A, Ogorescu E, Bratu C, Temelcea A, Bratu E, Sinescu C, Negruțiu M., Digital versus Plaster Models: Accuracy of Measurements, International Conference „Biomaterials, Tissue Engineering & Medical Devices” BiomMedD’2010, Sinaia, 23-25 sept. Conference Proceedings, [www.srb.ro](http://www.srb.ro), sept 2010
  41. 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 sincrystallization, 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
  42. 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

43. Petrescu E, Romînu M, Sinescu C, Negrutiu 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
44. Stoia AE, Topală F., Sinescu C., Negrutiu 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
45. Stoica ET, Mărcăuțeanu C, Tudor A, Negrutiu M, Sinescu C., Bratu D., The role of occlusal overload in the etiology of abfractions, 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
46. Filip I., Sinescu C, Negrutiu M, Clonda C, Topală F, Romînu M, Podoleanu A, Optical coherence tomography, alternative method of evaluation and diagnostic in dental medicine, Abstractbook DenTim 2010 International Congress of Dental Medicine for Students and Young Doctors, 4th Edition, 22-24.04.2010, Timișoara, 2010
47. Negrutiu M, Metode imagistice alternative in medicina dentara: tomografia optica coerenta, Napoca Biodent 2009, ed a 3-a, 5-7 noiembrie 2009, Cluj Napoca, [www.congresys.ro](http://www.congresys.ro), 2009
48. 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](http://www.congresys.ro), 2009
49. 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](http://www.congresys.ro), 2009
50. Enescu M., Rominu M., Rominu R.O., Negrutiu M., Stoia A.E., Petrescu E., Sinescu C., Tudor A, The effect of different adhesives on the shear bond strength and a resin composite material, Napoca Biodent 2009, ed a 3-a, Cluj Napoca 5-7 noiembrie 2009, [www.congresys.ro](http://www.congresys.ro), 2009

51. 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](http://www.congresys.ro), 2009
52. 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](http://www.congresys.ro), 2009
53. Negruti  M., Sinescu C., Topal  F., Pop D., Negru R., Hlu cu M., Rom nu 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", Timi oara Medical Journal, vol 59, supl.3, pg.52-53, ISSN 1583 – 5251, 2009
54. Rom nu 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", Timi oara Medical Journal, vol 59, supl.3, pg.53-54, ISSN 1583 – 5251, 2009
55. Stoia A.E., Negruti  M., Sinescu C., Petrescu E., Pop D.M., Rominu R.O., Pielmu i M., Mihali S., Rom nu 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", Timi oara Medical Journal, vol 59, supl.3, pg.55-56, ISSN 1583 – 5251, 2009
56. Clonda C., Sinescu C., Negrutiu M., Rom nu M., Bradu A., Dobre G., Podoleanu A.Gh., Time domain OCT in galvanoceramic fixed partial prostheses investigations, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timi oara Medical Journal, vol 59, supl.3, pg.57-58, ISSN 1583 – 5251, 2009
57. Negruti  M., Sinescu C., Topal  F., Rom nu 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", Timi oara Medical Journal, vol 59, supl.3, pg.43-44, ISSN 1583 – 5251, 2009
58. Sinescu C., Negrutiu M., Ioni   C., Negru R., Bradu A., Pop D., Topal  F., Marsavina L., Rom nu 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", Timi oara Medical Journal, vol 59, supl.3, pg.44-45, ISSN 1583 – 5251, 2009

59. Mărcăuteanu, C., Demjan, E., Sinescu, C., Negrutiu, M., Topală F, Clonda C., Hughes, M., Bradu, A., Dobre, G., Podoleanu, A. Gh., Microstructural characterization of noncarious cervical lesions by optical coherence tomography International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.45-46, ISSN 1583 – 5251, 2009,
60. Goguță L, Sinescu C., Negrutiu M., Topală F., Podoleanu A.Gh., Bratu D., Mărcăuteanu C., Erimescu R., Jivănescu A., Scanning electron microscopy (SEM) or optical coherence tomography (OCT) for the in between acrylic resin and glass fibres bond evaluation, International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.46, ISSN 1583 – 5251, 2009
61. Demjan E, Mărcăuteanu C., Negrutiu M., Sinescu C., Topală F., Clonda C., Hughes M., Bradu A., Dobre G., Podoleanu A.Gh., Optical coherence tomography investigation of pathological dental wear International Conferences on Lasers in Medicine, 3rd Edition: "New Highlights in Clinical Practice", Timișoara Medical Journal, vol 59, supl.3, pg.46-47, ISSN 1583 – 5251, 2009
62. 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
63. 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
64. 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
65. Sinescu C., Negrutiu M., Tatar R., Vasile L., Negru R., Hluscu M., Culea L., Romînu M., Marsavina L., Dobre G. M., Bradu A., Marcauteanu C., Demjan E., Podoleanu A.Gh., Aplicațiile simulării numerice și a tomografiei optice coerente în investigarea interfețelor dintre os și materialele de regenerare osoasă, 14th International Symposium The Medical Days in Banat, Timișoara Medical Journal, vol 59, supl.2, pg.45-46, ISSN 1583 – 5251, 2009
66. Negrutiu 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

67. Sinescu C., Tatar R., Negrutiu M., Ianeş E., Dodenciu D., Hughes M., Bradu A., Romînu M., Podoleanu A., Investigații ale interfețelor în regenerarea tisulară ghidată utilizand tomografia optică coerentă, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.83, ISSN 1583 – 5251, 2009
68. 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.
69. Miron M, Dodenciu D, Filip L, Negrutiu M., Todea C, Studiul microcirculației prin metoda laser doppler la nivelul gingiei sănătoase, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.84-85, ISSN 1583 – 5251, 2009.
70. 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
71. Romînu R.O., Grivu O., Sinescu C., Negrutiu M.L., Ianeş 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
72. Mihali S., Negrutiu M., Sinescu C., Romînu M., The applications of thermography in the investigations of temporo-mandibulary dysfunctions, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.102-103, ISSN 1583 – 5251, 2009
73. Canjau S., Rominu M., Negrutiu M., Sinescu C., Aplications of CAD/CAM technology in dental medicine, 11th Edition of Academic Days Timisoara, 2009 Timișoara Medical Journal, vol 59, supl.1, pg. 103, ISSN 1583 – 5251, 2009
74. Popa S.N., Haiduc C., Sinescu C., Negrutiu M., Romînu M, Manufacturing of frameworks for fixed partial denture by SLS/SLM, 11th Edition of Academic Days Timisoara, 2009 Timișoara Medical Journal, vol 59, supl.1, pg.103, ISSN 1583 – 5251, 2009
75. Mihali S., Sinescu C., Negrutiu M., Romînu M., Correlations in Dental medicine By Using Thermography Methods, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.103-104, ISSN 1583 – 5251, 2009
76. Clonda C., Sinescu C., Podoleanu A., Negrutiu M., Romînu M., Aplicații ale tomografiei optic coerente în investigările protezelor parțiale fixe, 11th Edition of Academic Days Timisoara, 2009 Timișoara Medical Journal, vol 59, supl.1, pg.104-105, ISSN 1583 – 5251, 2009

77. Lugojan J., Meiu A., Marina A., Romînu M., Negrutiu M., Sinescu C., Dodenciu D., Contribuții la dezvoltarea metodelor de accelerare a prizei gipsului, 11th Edition of Academic Days Timisoara, 2009, Timișoara Medical Journal, vol 59, supl.1, pg.105, ISSN 1583 – 5251, 2009
78. Pop D.M., Rominu M., Leretter M., Sinescu C., Negrutiu 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
79. Șoicu A., Sinescu C., Negrutiu 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
80. Negrutiu M., Metode alternative de identificare a defectelor de material a diferitelor tipuri de proteze dentare, Interdisciplinary Approach to Present Dental Medicine, 1st Edition, Timisoara, iunie 2008
81. Marcauteanu C, Demijan E., Negrutiu M., Ianes E., Sinescu C., Moldovanu M., Restaurarea ghidajului canin la pacientii cu bruxism – prioritate estetica, Interdisciplinary Approach to Present Dental Medicine, 1st Edition, Timisoara, iunie 2008
82. Sinescu C., Negrutiu M., Hughes M., Bradu A., Dobre G., Rominu M, Podoleanu A. Gh., cu microscopia confocala, Interdisciplinary Approach to Present Dental Medicine, 1st Edition, Timisoara, 2008
83. Marcauteanu C, Sinescu C., Negrutiu M., Demjan E., Dobr e G., Podoleanu A. Gh., Tehnici Alternative Neinvazive de Depistare Precoce a Suprasolicitarilor Ocluzale, Interdisciplinary Approach to Present Dental Medicine, 1st Edition, Timisoara, iunie 2008
84. Gavrilovici A, Sandu M., Popa N., Negrutiu M., Sinescu C., Determinarea prin metode distructive si nedistructive a percolarii marginale la nivel apical, Stomis, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia a IV-a, Iasi dec. 2008
85. Mihali S., Negrutiu M., Sinescu C., Rominu M, Valoarea Diagnostica a Termografiei in Cazul Disfunctiilor Temporo-Mandibulare, Stomis, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia a IV, Iasi, 2008
86. Mihali S, Clonda C., Canjau S., Negrutiu M., Sinescu C., Marcauteanu C., Metode de Investigatie a Articulatiei Temporo-Mandibulare, Stomis, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia a IV, Iasi, dec. 2008

87. Clonda C, Filip I., Canjau S., Negrutiu M., Sinescu C., Investigarea OCT a unor Proteze Partiale Fixe Ceramice si Metallo-Ceramice, Stomis, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia a IV, Iasi, dec. 2008
88. Filip I., Clonda C., Curtean A.M., Negrutiu M., Sinescu C., Investigarea OCT a unor Proteze Partiale Fixe Polimerice si Metallo-Polimerice, Stomis, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia a IV, Iasi dec. 2008
89. Curtean A.M., Dubyk M., Filip I., Negrutiu M., Sinescu C., Dodenciu D., Dragomirescu L., Igenizarea protezelor dentare cu ozon si ultrasunete: studiu microbiologic, Stomis, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia a IV, Iasi, dec. 2008
90. 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
91. Haiduc C, Rominu M, Negrutiu M., Sinescu C., Bradu A., Dobre G., Podoleanu A., Consideratii tehnologice asupra Protezelor Partiale Fixe Integral Ceramice realizate cu sistemul Wol-Ceram. Investigatia interfetelor utilizand metoda tomografiei optice coerente, The Medical Days in Banat, 3rd Milenium Medicie Editia a 13-a Timisoara, 2008
92. 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
93. 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
94. Sinescu C., Negrutiu M., Hughes M., Bradu A., Rominu M, Laissue P., Dobre G., Podoleanu A., Metode complexe de identificare a defectelor de material in protezele partiale fixe ceramica utilizand tomografia optica coerenta si microscopia confocala, The Medical Days in Banat, 3rd Milenium Medicie Editia a 13-a Timisoara, 2008
95. Marcauteanu C, Sinescu C., Negrutiu M., Dobre G., Demjan E, Goguta L, Jivanescu A, Podoleanu A., Investigarea preliminara a uzurilor dentare prin Tomografie Optic Coerenta, The Medical Days in Banat, 3rd Milenium Medicie Editia a 13-a Timisoara, mai 2008
96. Negrutiu M., Sinescu C, Podoleanu A. Gh., Optical Coherence tomography a non-invasive high resolution investigation method: a dentistry approach, International Conference „Biomaterials and Medical Devices”, BiomMed’2008, Bucharest, nov. 2008

97. Haiduc C, Popa NS, Sinescu C, Negrutiu M, Rominu M, Dodenciu D, SLS/SLM and CAD/CAM procedures implies in manufacturing of frameworks for fixed partial dentures, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
98. Sinescu C, Negrutiu M, Negru R, Antonie S, Hluscu M, Culea L, Rominu M, Mârsavina L, Faur N, Thensiometric analysis of biomechanical behaviour of different types of dental protheses, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
99. Sinescu C, Negrutiu M, Petrescu E, Dobre G, Bradu A, Rominu M, Podoleanu AGh, Optical Electronic investigations methods in dentistry, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
100. Petrescu E, Sinescu C, Negrutiu M, Draganescu G, Dodenciu D, Rominu M, Phonetic parameters in dental protheses materials characterisation, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
101. Petrescu E, Negrutiu M, Sinescu C, Draganescu G, Rominu M, Pop D, Petrea C, Tensile strenght investigation of pressed ceramic system, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
102. Negrutiu M, Sinescu C., Dodenciu D., Dragomirescu L, Rominu R, Petrescu E, Microbiologic analysis for microorganisms culture modifications ozone cleaning in dentistry, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, nov. 2008
103. 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 treatments, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, nov. 2008
104. Pop D, Leretter M, Negrutiu M, Sinescu C, Rominu M, Curtean AM, Immediate welding procedure in dental technology: syncrystallization method, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
105. Pop D, Negrutiu M, Sinescu C, Rominu M, Ciocan G, Defectosopic methods for laser welded fixed partial dentures investigation, International Conference „Biomaterials and Medical Devices”, BiomMeD’2008, Bucharest, 2008
106. Clonda CS, Sinescu C, Podoleanu A, Negrutiu M, Rominu M, Analiza integritatii structurale a protezelor partiale fixe utilizand tomografia optic coerenta, Congresul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia aX-a , Cluj Napoca, 2008



107. Mitroi F, Groza C, Ghinescu F, Viruzab N, Mihali S, Canjau S, Clonda C, Sinescu C, Negrutiu M, Rominu M, Aspecte tehnologice in realizarea sistemelor integral ceramice performante, Congrasul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia aX-a , Cluj Napoca, 2008
108. Mihali S, Canjau S, Clonda C, Tudor C, Sinescu C, Negrutiu M, Rominu M, Afectiuni ale cavitatii bucale datorate bolii de reflux gastro-esofagiene, Congrasul International de Medicina Dentara pentru Studenti si Tineri Medici, Editia aX-a , Cluj Napoca, 2008
109. Negrutiu M, Podoleanu A, Sinescu C, Romînu M, Florița Z, Haiduc C, Detectarea defectelor de material a diferitelor tipuri de proteze dentare, Congresul Internațional de Stomatologie “Napoca Biodent 2007”, Cluj – Napoca, 8-10 noiembrie 2007.
110. Sinescu C, Podoleanu A, Negrutiu M, Romînu M, Romînu R, Clonda C, Investigarea materialelor protezelor parțiale fixe prin tomografie optic coerentă, Congresul Internațional de Stomatologie “Napoca Biodent 2007”, Cluj – Napoca, 8-10 noiembrie 2007.
111. Negrutiu M, Sinescu C, Cozarov D, Pop D, Romînu R, Stoia A, Comparație între sudura cu laser și alte metode de solidarizare , Congresul International de Stomatologie “Napoca Biodent 2007”, Cluj-Napoca, 8-10 Noiembrie 2007
112. Negrutiu M, Sinescu C, Dodenciu D, Florița Z, Pop D, Romînu R, Metode alternative de igienizare a protezelor dentare, Congresul International de Stomatologie “Napoca Biodent 2007” , Cluj-Napoca, 8-10 Noiembrie 2007
113. Sinescu C, Negrutiu 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.
114. Sinescu C., Drăgănescu Gh., Negrutiu M, Todea C., Romînu M., Bălăbuc C., Filip ., Microleakage evaluation between infrastructure and veneer materials in fixed partial dentures, 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, 51, July 2007
115. Negrutiu M, Sinescu C, Negru R, Locovei C, Todea C, Cozarov D, Bălăbuc C, Investigation and evaluation of different laser welded areas 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, 52, July 2007
116. Sinescu C, Negrutiu M, Dodenciu D, Cozarov D, Romînu M, Bălăbuc C, Laser beam used in dental scanning for CAD/CAM technologies, 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, 53, July 2007

117. 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
118. Balabuc C, Miron M., Cicala E, Raduta A, Demian C, Negrutiu M, Sinescu C, Filip L, Todea C, Effects of 980 nm high power diode laser irradiation on enamel microhardness 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, 62, July 2007
119. 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.
120. 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 9<sup>th</sup> Symposium, Ed. Politehnica, ISSN 1843 - 0902, Timișoara, 24 - 25 mai 2007.
121. 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 9<sup>th</sup> Symposium, Ed. Politehnica, ISSN 1843 - 0902, Timișoara, 24 - 25 mai 2007.
122. 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.
123. Sinescu C, Negruțiu M, Negru R, Romînu M, Faur N, Haiduc C, Coroborarea rezultatelor simulării numerice cu măsurătorile tensiometrice realizate direct pe modelul analog de investigat, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, suppl. 2, ISSN 1583 – 5251, Timișoara, 24 - 25 mai 2007.

124. Negruțiu M, Sinescu C, Dodenciu D, Romînu M, Stoia A, Romînu R, Metode moderne de igienizare a protezelor dentare, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, supplement 2, ISSN 1583 – 5251, Timișoara, 24 - 25 mai 2007.
125. Sinescu C, Negruțiu M, Drăgănescu Gh, Todea C, Romînu M, Haiduc C, Tehnologie alternativă de determinare a infiltrațiilor la nivelul joncțiunii infrastructură/material de placarea protezelor parțiale fixe, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, supplement 2, ISSN 1583 – 5251, , Timișoara, 24 - 25 mai 2007.
126. Romînu M, Dodenciu D, Sinescu C, Negruțiu M, Florița Z, Stoia A, Haiduc C, Investigarea variației temperaturii la nivelul camerei pulpare utilizând un sistem tip termistor, Zilele Academice Timișene, Ed. X, Timișoara Medical Journal, vol. 57, supplement 2, ISSN 1583 – 5251, Timișoara, 24 - 25 mai 2007.
127. 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.
128. 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.
129. Romînu M, Florița Z, Haiduc C, Negruțiu M, Romînu RO, Sinescu C, Influența silanilor asupra percolării marginale în cavitățile de clasa a II-a și a V-a, conferință, Congres Internațional Zilele Medicale Bănățene, Ediția a XII-a, Timișoara, 15-19 mai, 2007, TMJ, vol.57, supl.1, ISSN 1583-5251, 2007.
130. Negruțiu M, Sinescu C, Romînu M, Florița Z, Stoia A, Simularea pe articulator a relațiilor intermaxilare la edentatul total, Congres Internațional Zilele Medicale Bănățene, Ediția a XII-a, Timișoara, 15-19 mai, 2007, TMJ, vol.57, supl.1, ISSN 1583-5251, 2007.
131. 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.
132. 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.
133. Sinescu C, Podoleanu AGh, Romînu M, Negruțiu M, Hlușcu M, Tomografia optic coerentă și simularea numerică utilizate la investigarea protezelor parțiale fixe adezive,

Congres Internațional Zilele Medicale Bănățene, Ediția a XII-a, Timișoara, 15-19 mai, 2007, TMJ, vol.57, supl.1, ISSN 1583-5251, 2007.

134. Sinescu C, Negruțiu M, Drăgănescu G, Romînu M, Florița Z, Haiduc C, Metodă alternativă de determinare a percolării la interfața infrastructură/material de placare a protezelor parțiale fixe, Congres Internațional Zilele Medicale Bănățene, Ediția a XII-a, Timișoara, 15-19 mai, 2007.
135. Haiduc C., Florița Z., Romînu M., Sinescu C., Negruțiu M, Kigyosi A, Glass Ionomer Primers and Microleakage in Class II Composite Restorations, International Conference on Biomaterials & Medical Devices BiomMedD' 2006, Iasi, Romania, 9 - 11 November 2006.
136. Negruțiu M., Sinescu C., Demian C., Laser welding of the metallic framework of fixed partial dentures - poster prezentat, "PROMOTION OF EXCELLENCE IN MEDICAL RESEARCH – A STEP TOWARDS FP7", manifestare organizata de Universitatea de Medicina si Farmacie "Victor Babes" din Timisoara in parteneriat cu CNMP, Timisoara, 27 octombrie 2006
137. Sinescu C., Negruțiu M., Demian C., Holograms used for dental models – poster prezentat, "PROMOTION OF EXCELLENCE IN MEDICAL RESEARCH – A STEP TOWARDS FP7", manifestare organizata de Universitatea de Medicina si Farmacie "Victor Babes" din Timisoara in parteneriat cu CNMP, Timisoara, 27 octombrie 2006
138. Sinescu C, Podoleanu A, Negruțiu M, Romînu M, Investigații de acuratețe utilizând tehnologia tomografiei optic coerente în analiza zonei apicale dentare, curs postuniversitar "Tendințe moderne de implementare a cito- și histodiagnosticului în depistarea și tratarea leziunilor sferei oro-maxilo-faciale" , ISBN (10) 973-620-227-5, ISBN (13) 978-973-620-227-8, Timișoara, 6-8 octombrie 2006.
139. Sinescu C, Negruțiu M, Romînu M, Resiga R, Studii de simulare numerică a curgerii sângelui la nivelul capilarelor dentare, curs postuniversitar "Tendințe moderne de implementare a cito- și histodiagnosticului în depistarea și tratarea leziunilor sferei oro-maxilo-faciale" , 973-620-227-5, ISBN (13) 978-973-620-227-8, Timișoara, 6-8 octombrie 2006.
140. Sinescu C, Negruțiu M, Romînu M, Negru R, Hlușcu M, Faur N, Modificări structurale la nivelul osului alveolar ca urmare a exercitării forțelor ocluzale. Studii de fotoelasticitate tridimensionale, curs postuniversitar "Tendințe moderne de implementare a cito- și histodiagnosticului în depistarea și tratarea leziunilor sferei oro-maxilo-faciale", 973-620-227-5, ISBN (13) 978-973-620-227-8, Timișoara, 6-8 octombrie 2006.
141. Negruțiu M, Sinescu C, Romînu M, Stoia A, Plasma soldering in dentistry, The 4<sup>th</sup> International Congress of Oro-Dental Health and Medico-Dental Management in the Black

Sea Countries, 29-31 May 2006, Golden Sands (Bulgaria), 1-3 June Mamaia 2006, Abstractbook, 2006.

142. Sinescu C, Negruțiu M, Cozarov D, Romînu M, Haiduc C, Soldering alternative technology in dentistry laser welding, The 4<sup>th</sup> International Congress of Oro-Dental Health and Medico-Dental Management in the Black Sea Countries, 29-31 May 2006, Golden Sands (Bulgaria), 1-3 June, Mamaia, 2006, Abstractbook, 2006.
143. Sinescu C, Negruțiu M, Dodenciu D, Romînu M, Haiduc C, Fixed partial denture analysis using penetrating liquids. Comparative analysis with invasive methods (radiographic method), The 4<sup>th</sup> International Congress of Oro-Dental Health and Medico-Dental Management in the Black Sea Countries, 29-31 May 2006, Golden Sands (Bulgaria), 1-3 June Mamaia 2006, Abstractbook, 2006.
144. Sinescu C, Sticlaru C, Negruțiu M, Romînu M, Stoia A, Removable partial dentures with clasps made from thermoplastic and chemoplastic materials, a numerical simulation investigation, The 4<sup>th</sup> International Congress of Oro-Dental Health and Medico-Dental Management in the Black Sea Countries, 29-31 May 2006, Golden Sands (Bulgaria), 1-3 June Mamaia 2006, Abstractbook, 2006.
145. Romînu M, Florița Z, Negruțiu M, Sinescu C, Haiduc C, Romînu R, Adeziunea în cavitățile de clasa a V-a: micromecanică sau chimică?, Zilele Medicale Bănățene, ed. a XI-a, Timișoara, 17 - 20 mai 2006, TMJ, vol.56, supl.1, pg.74-75, ISSN 1583-5251, 2006
146. Sinescu C, Negruțiu M, Cozarov D, Romînu M, Haiduc C, Tehnologii alternative de solidarizare în medicina dentară: sudura cu laser, Zilele Medicale Bănățene, ed. a XI-a, Timișoara, 17 - 20 mai 2006, TMJ, vol.56, supl.1, pg.73-74, ISSN 1583-5251, 2006.
147. Sinescu C, Negruțiu M, Dodenciu D, Romînu M, Stoia A, Metode nedistructive de investigare a protezelor parțiale fixe utilizând tehnica lichidelor penetrante. Analiza comparativă cu metodele invazive (analiza radiografică), Zilele Medicale Bănățene, ed. a XI-a, Timișoara, 17 - 20 mai 2006, TMJ, vol.56, supl.1, pg.73, ISSN 1583-5251, 2006.
148. Sinescu C, Sticlaru C, Negruțiu M, Romînu M, Stoia A, Analiza numerică a protezelor mobilizabile cu croșete realizate din materiale termoplastice și chemoplastice, Zilele Medicale Bănățene, ed. a XI-a, Timișoara, 17 - 20 mai 2006, TMJ, vol.56, supl.1, pg.72-73, ISSN 1583-5251, 2006.
149. Negruțiu M, Sinescu C, Romînu M, Stoia A, Lipirea cu plasmă în medicina dentară, Zilele Medicale Bănățene, ed. a XI-a, Timișoara, 17 - 20 mai 2006 , TMJ, vol.56, supl.1, pg.71-72, ISSN 1583-5251, 2006.
150. Bretean A.C., Pop I.D., Sinescu C., Negruțiu Meda, Romînu M. - Hurst phonetic parameter in frontal fixed partial dentures positioning Al X-lea Congres Internațional pt.

Studenți și Tineri Doctori MEDIS, Timișoara, 18-21 mai 2006, TMJ, vol.56, supl.3, pg.133, ISSN 1583-5251.

151. Pop I.D., Bretean A.C., Sinescu C., Negruțiu M., Romînu M., Spectrums of power parameter in frontal fixed partial dentures positioning, Al X-lea Congres Internațional pt. Studenți și Tineri Doctori MEDIS, Timișoara, 18-21 mai 2006, TMJ, vol.56, supl.3, pg.134, ISSN 1583-5251
152. Clonda C., Sinescu C., Negruțiu M., Romînu M., Holographic models in dentistry. Al X-lea Congres Internațional pt. Studenți și Tineri Doctori MEDIS, Timișoara, 18-21 mai 2006, TMJ, vol.56, supl.3, pg.134, ISSN 1583-5251
153. Sinescu C., Sticlaru C, Negruțiu M., Romînu M., Demian C, Numerical análisis of the fixed partial denture behaviour using the ProE Software, New Structures and Biomaterials for Life and Health. Trends and Priorities in the European Research Area, Workshop, Victor Babeș University of Medicine and Pharmacy Timișoara, National R&D Programme New Materials, Micro and Nanotechnologies – MATNANTECH, Politechnics University Bucharest, April 14, 2006.
154. Sinescu C., A. de Sabata, Negruțiu M., Romînu M, Holographic Análisis of the Fixed Partial Denture Behaviour, New Structures and Biomaterials for Life and Health. Trends and Priorities in the European Research Area, Workshop, Victor Babeș University of Medicine and Pharmacy Timișoara, National R&D Programme New Materials, Micro and Nanotechnologies – MATNANTECH, Politechnics University Bucharest, April 14, 2006.
155. Sinescu C., Negruțiu M., Romînu M., Resiga R., Muntean S, Numeric Comparative Análisis of the Dental Aloys Flowing, New Structures and Biomaterials for Life and Health. Trends and Priorities in the European Research Area, Workshop, Victor Babeș University of Medicine and Pharmacy Timișoara, National R&D Programme New Materials, Micro and Nanotechnologies – MATNANTECH, Politechnics University Bucharest, April 14, 2006.
156. Sinescu C., de Sabata A., Negruțiu M., Romînu M. , Holographic analysis of the fixed partial denture behaviour, Structuri Și Biomateriale Noi Pentru Viață Și Sănătate. Tendințe și Priorități în Aria Europeană a Cercetării, Fiziologia-Physiologia, 14 aprilie 2006.
157. Sinescu C., Sticlaru Carmen, Negruțiu M., Romînu M, Demian C. , Numerical analysis of the fixed partial denture behaviour using the proe software, Structuri Și Biomateriale Noi Pentru Viață Și Sănătate. Tendințe și Priorități în Aria Europeană a Cercetării, Fiziologia-Physiologia, 14 aprilie 2006.
158. Sinescu C., Negruțiu M., Romînu M., Resiga R., Munteanu S , Numeric comparative analysis of the dental alloys flowing, Structuri Și Biomateriale Noi Pentru Viață Și Sănătate. Tendințe și Priorități în Aria Europeană a Cercetării, Fiziologia-Physiologia, 14 aprilie 2006.

159. Pop I.D., Bretean A.C., Sinescu C., Negruțiu M., Romînu M., Tehnica modernă calitativă și cantitativă de poziționare a protezelor fixe în zona frontală: spectrele de putere, Congres Internațional de Stomatologie pentru studenți și tineri medici, Cluj-Napoca, Carte de rezumate, pg.56-57, 23-26 martie , Carte de rezumate, pg.56-57, martie 2006
160. Clonda C., Sinescu C., Negruțiu M., Romînu M., Analiza tensiunilor din protezele dentare care utilizează metoda fotoelastică: studiu bidimensional, Congres Internațional de Stomatologie pentru studenți și tineri medici, Cluj-Napoca, Carte de rezumate, pg.52-53, 23-26 martie , Carte de rezumate, pg.52-53, martie 2006
161. Sinescu C, Negruțiu M., Romînu M, Realizarea unei proteze parțiale fixe prin frezare analogică, Congresul Internațional de Stomatologie, Al XV-lea Congres al AMSPPR, București, 8-11 martie 2006.
162. Lakatos S, Lakatos C, Romînu M, Negruțiu M., Sinescu C, Florița Z, Coroane mixte titan-ceramice: este culoarea o problemă?, Congresul Internațional de Stomatologie, Al XV-lea Congres al AMSPPR, București, 8-11 martie 2006.
163. Sinescu C, Negruțiu M., Romînu M, Lakatos S, Metoda lichidelor penetrante în reperarea defectelor de material la nivelul protezelor parțiale fixe, Congresul Internațional de Stomatologie, Al XV-lea Congres al AMSPPR, București 8-11 martie 2006.
164. Florița Z, Romînu M, Sinescu C, Lakatos S, Negruțiu M., Haiduc C, Inserturi ceramice: aspecte tehnologice și microscopice, Congresul Internațional de Stomatologie, Al XV-lea Congres al AMSPPR, București 8-11 martie 2006.
165. Lakatos S, Romînu M, Negruțiu M., Sinescu C, Florița Z, Cercetarea științifică de calitate: metode de prezentare a rezultatelor, Congresul Internațional de Stomatologie, Al XV-lea Congres al AMSPPR, București 8-11 martie 2006.
166. Sinescu C., Negruțiu M., Romînu M., Resiga R., Munteanu S., Lakatos S., Florița Z., Metode numerice de investigare a comportamentului aliajelor dentare în stare de topitură, Napoca Biodent 2005, International Congress of Dental Materials, Cluj-Napoca 10-12 noiembrie 2005.
167. Florița Z., Romînu M., Lakatos S., Negruțiu M., Sinescu C., Influența inserturilor ceramice asupra închiderii marginale în cavități de clasa I, Napoca Biodent 2005, International Congress of Dental Materials, Cluj-Napoca 10 - 12 noiembrie 2005.
168. 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
169. Sinescu C., Negruțiu M., De Sabata A., Romînu M., Holografic models in dentistry, International Conference on Lasers in Medicine - "Actualities and perspectives in Laser



Therapy in Dentistry", 1<sup>st</sup> Edition, , TMJ, vol.55, supl.6, pg.72, ISSN 1583-5251. Timișoara, sept 29<sup>th</sup> - October 1<sup>st</sup> 2005.

170. Negruțiu M, Sinescu C., Florița Z., Frusina S, Romînu M., Plasma soldering - an alternative to laser welding, International Conference on Lasers in Medicine - "Actualities and perspectives in Laser Therapy in Dentistry", 1<sup>st</sup> Edition, TMJ, vol.55, supl.6, pg.73, ISSN 1583-5251, Timișoara sept 29<sup>th</sup> - October 1<sup>st</sup> 2005.
171. Sinescu C., Negruțiu M, Cozarov C., Romînu M., Laserwelding in dental laboratory technique, International Conference on Lasers in Medicine - "Actualities and perspectives in Laser Therapy in Dentistry", 1<sup>st</sup> Edition, TMJ, vol.55, supl.6, pg.74, ISSN 1583-5251, Timișoara sept 29<sup>th</sup> - October 1<sup>st</sup> 2005.
172. Sinescu C., De Sabata A., Negruțiu M, Romînu M., Utilizarea tehnicii holografice în medicina dentară, Zilele Academice Timișene, ed.a IX-a, www.jmed.ro, anul XII, supl.1/2005, pg.51, ISSN 1223-1533. Timișoara, 26-27 mai 2005.
173. Sinescu C., Sticlaru C, Negruțiu M, Romînu M., Modelarea protezelor parțiale fixe pentru studii de simulare numerică, Zilele Academice Timișene, ed.a IX-a, , www.jmed.ro, anul XII, supl.1/2005, pg.58, ISSN 1223-1533, Timișoara, 26-27 mai 2005.
174. Florița Z, Ianeș C, Romînu M, Negruțiu M, Sinescu C, Sistemul endodontic- între anomalie și variantă morfologică, Zilele Medicale Bănățene - Medicina Mileniului III, Timișoara Medical Journal, vol. 55, supl. 2, pg. 31, ISSN 1583-5251, Timișoara 19-21 mai 2005.
175. Sinescu C, de Sabata A, Negruțiu M, Romînu M, Modele holografice în medicina dentară, Zilele Medicale Bănățene - Medicina Mileniului III, Timișoara Medical Journal, vol. 55, supl. 2, pg. 71, ISSN 1583-5251, Timișoara 19-21 mai 2005.
176. Sinescu C., Negru R., Negruțiu M, Florița Z., Analiza tensiunilor generate de protezele parțiale fixe asupra câmpului protetic utilizând tehnica fotoelasticității tridimensionale. Al X-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Timișoara, 19-21 mai 2005, TMJ, vol.55, supl.2, pg.71, ISSN 1583-5251, Timișoara 19-21 mai 2005.
177. Negruțiu M, Sinescu C, Romînu M, Florița Z, Clonda C, Rădmăneșteanu C, Injectarea materialelor termoplastice în tehnologia protezelor mobile și mobilizabile - avantaje și dezavantaje, Zilele Medicale Bănățene - Medicina Mileniului III, Timișoara Medical Journal, vol. 55, supl. 2, pg. 73, ISSN 1583-5251 Timișoara 19-21 mai 2005.
178. 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.

179. Romînu M, Florița Z, Negruțiu M, Închiderea marginală în reconstituiri coronare directe cu componentă cervicală: realitate sau mit?, Congresul Internațional de stomatologie AMSPPR-FDI-SRS, București, 16-19 martie 2005.
180. Romînu M, Florița Z, Negruțiu M, Romînu RO, Edentația frontală - oportunități terapeutice, Al VIII-lea Congres Național UNAS, Volum de rezumate, București 6-9 octombrie 2004.
181. 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.
182. Negruțiu M, Romînu M, Sinescu C, Florița Z, Pop D, Posibilități de determinare și simulare pe articulator a relațiilor intermaxilare la edentatul total, Al VIII-lea Congres Național UNAS, Volum de rezumate, București 6-9 octombrie 2004.
183. Florița Z, Romînu M, Negruțiu M, Romînu RO, Alternative la gravajul acid al smalțului, Al VIII-lea Congres Național UNAS, Volum de rezumate, București 6-9 octombrie 2004.
184. Florița Z, Romînu M, Negruțiu M, Sinescu C, Romînu RO, Complicații tardive ale restaurărilor coronare directe în zona frontală, Al VIII-lea Congres Național UNAS, Volum de rezumate, București 6-9 octombrie 2004
185. Romînu M, Negruțiu M, Florița Z, Lakatos S, Schinteie S, Restaurări protetice parțiale fixe în edentația frontală, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Volum de rezumate, Timișoara 22-24 mai 2003.
186. Lakatos S, Romînu M, Florița Z, Negruțiu M, Ianeș C, Influența condițiilor de sablare asupra rezistenței mecanice a interfeței titan-ceramică, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Volum de rezumate, Timișoara 22-24 mai 2003.
187. Sinescu C., Leretter M., Rominu M., Borțun Cristina, Sandu Liliana, Negruțiu M, Mijloace noi de investigare a funcțiilor ADM: simularea numerică a funcției fonetice, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Volum de rezumate, Timișoara, 22-24 mai 2003.
188. Dodenciu D., Sinescu C., Draganescu G., Leretter M., Negruțiu M, Balaceanu L., Evaluarea fonetic a pacienților edentați parțial și total: avantaje și dezavantaje, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Banatene, Volum de rezumate, Timisoara, 22-24 mai 2003.
189. Draganescu G., Sinescu C., Dodenciu D., Leretter M., Nagy I., Negruțiu M, Balaceanu L., Evaluarea funcției fonetice utilizând metoda simulării numerice, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Banatene, Volum de rezumate, Timisoara, 22-24 mai 2003.

190. Borțun C, Leretter M., Romînu M., Sinescu C., Negruțiu M, Sandu L, Studiul palatogramelor la edentatul total în diferite variante de montări ale dinților artificiali, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Volum de rezumate, Timișoara, 22-24 mai 2003.
191. Borțun C, Leretter M., Romînu M., Nagy I. Sinescu C., Dodenciu D., Sandu L, Negruțiu M, Balaceanu L., Evaluarea fonetică prin studiul componentelor articulării statice (dinții) utilizând metoda simulării la edentatul total, Al VIII-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Timișoara, 22-24 mai 2003.
192. Romînu M, Lakatos S, Florița Z, Negruțiu M, Studiu comparativ asupra etanșeității interfețelor metalo-polimerice la coroanele mixte, Al VI-lea Congres Național al Uniunii Naționale a Asociațiilor Stomatologice, Volum de rezumate, București, 9-12 octombrie 2002.
193. Negruțiu M, Romînu M, Florița Z, Topală F, Lakatos S, Prevenirea desprinderii dinților artificiali din baza protezei prin metode tehnologice, Congres Internațional - Sănătatea Orală în Țările Bazinului Mării Negre, Volum de rezumate, Constanța, 21-24 septembrie, 2002.
194. Negruțiu M, Florița Z, Topală F, Lakatos S, Romînu M, Influența tehnologiei și regimului de polimerizare asupra interfeței rășină-dinte artificial, Al VII-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Volum de rezumate, Timișoara 22-24 mai 2002.
195. Negruțiu M, Florița Z, Topală F, Lakatos S, Romînu M, Realizarea bazelor protezelor mobile prin injectarea polimerilor, Drugs, Biomaterials and Techniques in Stomatological Medicine, Stomatological Medicine Faculty Days, 6<sup>th</sup> edition, Iași, 1<sup>st</sup> International Congress of the European Society of Dental Materials, 28 February-1 March, 2002.
196. Lakatos S, Romînu M, Negruțiu M, Florița Z, Uram-Țuculescu S, Aspecte tehnice și clinice ale placării titanului cu ceramică, Drugs, Biomaterials and Techniques in Stomatological Medicine, Stomatological Medicine Faculty Days, 6<sup>th</sup> edition, 1<sup>st</sup> International Congress of the European Society of Dental Materials, Iași, 28 February-1 March, 2002.
197. Florița Z, Leretter M, Negruțiu M, Lakatos S, Romînu M, Aspecte microscopice ale refacerilor coronare cu inserturi ceramice de tip Beta-quartz. Studiu calitativ, Drugs, Biomaterials and Techniques in Stomatological Medicine, Stomatological Medicine Faculty Days, 6<sup>th</sup> edition, 1<sup>st</sup> International Congress of the European Society of Dental Materials, Iași, 28 February-1 March, 2002.
198. Romînu M, Florița Z, Uram-Țuculescu S, Sinescu C, Negruțiu M, Succesiunea terapiei protetice în edentația frontală redusă la pacienți în creștere, Al VI-lea Simpozion Internațional al Zilelor Stomatologice Bănățene: Stomatologia mileniului III, Volum de rezumate, Timișoara 17-19 mai 2001.
199. Lakatos S, Romînu M, Negruțiu M, Sinescu C, Etanșeitatea cervicală a interfeței aliaj-material de placare la coroanele mixte metalo-polimerice, Al VI-lea Simpozion Internațional

- al Zilelor Stomatologice Bănăţene: Stomatologia mileniului III, Volum de rezumate, Timişoara 17-19 mai 2001.
200. Sinescu C., Negrutiu M., Lakatos S., Holografia digitala, un nou concept Al VI-lea Simpozion International al Zilelor Stomatologice Banatene: Stomatologia mileniului III, Volum de rezumate, Timisoara, 17-19 mai 2001
  201. Negrutiu M., Romînu M, Sinescu C, Floriţa Z, Stroia M, Noi modalităţi de abordare a injectării polimerilor în stomatologie, Al VI-lea Simpozion Internaţional al Zilelor Stomatologice Bănăţene: Stomatologia mileniului III, Volum de rezumate, Timişoara 17-19 mai 2001.
  202. Negrutiu M., Romînu M, Lakatos S, Floriţa Z, Aspecte comparative ale interfeţelor Targis/Vectris şi Targis/Targis-Link/aliaj Co-Cr, Al VI-lea Simpozion Internaţional al Zilelor Stomatologice Bănăţene: Stomatologia mileniului III, Volum de rezumate, Timişoara 17-19 mai 2001.
  203. Sinescu C, Romînu M, Negrutiu M., Lakatos S, Stroia M, Simularea numerica a procesului de creştere mandibulară, Al VI-lea Simpozion Internaţional al Zilelor Stomatologice Bănăţene: Stomatologia mileniului III, Volum de rezumate, Timişoara 17-19 mai 2001.
  204. Floriţa Z, Romînu M, Negrutiu M., Lakatos S, Moldovan R, Aspecte ale percolării marginale a interfeţelor în tehnica open – sandwich, Al VI-lea Simpozion Internaţional al Zilelor Stomatologice Bănăţene: Stomatologia mileniului III, Volum de rezumate, Timişoara 17-19 mai 2001.
  205. Romînu M, Floriţa Z, Uram-Țuculescu S, Negrutiu M., Marginal leakage of open sandwich fillings in class II restorations, 6<sup>th</sup> Congress of The Balkan Stomatological Society, Bucharest, Romania, 3-6 May 2001.
  206. Sinescu C, Negrutiu M., Romînu M, Lakatos S, Moldovan RO, CAD/CAM/CAE systems in polymers injection, 6<sup>th</sup> Congress of The Balkan Stomatological Society, Bucharest, Romania 3-6 May 2001.
  207. Sinescu C, Romînu M, Negrutiu M., Hluşcu M, Floriţa Z, A study of resin bonded fixed partial dentures using the numeric simulation method, 6<sup>th</sup> Congress of The Balkan Stomatological Society, Bucharest, Romania 3-6 May 2001.
  208. Negrutiu M., Romînu M, Floriţa Z, Moldovan R, Stroia M, The interface of Targis Vectris systems, 6<sup>th</sup> Congress of The Balkan Stomatological Society, Bucharest, Romania 3-6 May 2001.
  209. Negrutiu M., Moldovan R, Topala F., Sinescu C., Stroia M., Targis - Vectris - o solutie provizorie de durata. Al IV-lea Congres Internaţional UNAS, Volum de rezumate, 25-28 octombrie, Bucuresti, 2000

210. Rominu M., Negrutiu M., Florita Z., Moldovan R, Coroziunea intradentinara. Al IV-lea Congres Internațional UNAS, Volum de rezumate, 25-28 octombrie, Bucuresti, 2000
211. Rominu M., Bratu D., Uram-Tuculescu S., Negrutiu M., Eșecuri în clinica puntilor adezive. Al IV-lea Congres Internațional UNAS, Volum de rezumate, 25-28 octombrie, Bucuresti, 2000
212. Negrutiu M., Bratu D., Romînu M., Topală F., Experiența noastră în înregistrarea, transferul și reproducerea rapoartelor intermaxilare - Sistemul Protar - KaVo EWL, Al V-lea Simpozion Internațional al Zilelor Stomatologice Bănățene, Timișoara 18-20 mai, 2000.
213. Negrutiu M., Uram-Tuculescu S., Leretter M., Fabricky M., Restaurarile provizorii de durata din Targis-Vectris. al V-lea Simpozion International al Zilelor Stomatologice Banatene: Actualitati in stomatologie si ortodontie, Volum de rezumate, 18-20 mai, Timisoara, 2000
214. Uram-Tuculescu S., Bratu D., Leretter M., Negrutiu M., Fabricky M, Teste de turnabilitate a aliajelor dentare conform metodei Meyer. al V-lea Simpozion International al Zilelor Stomatologice Banatene: Actualitati in stomatologie si ortodontie, Volum de rezumate, 18-20 mai, Timisoara, 2000
215. Uram-Tuculescu S., Bratu D., Rominu M., Leretter M., Negrutiu M., Titanul in protetica implantologica. al V-lea Simpozion International al Zilelor Stomatologice Banatene: Actualitati in stomatologie si ortodontie, Volum de rezumate, 18-20 mai, Timisoara, 2000
216. Bratu D., Rominu M., Negrutiu M., Lakatos S., Florita Z., Puncti adezive longevive., publicat în volumul de rezumate al celui de-al III-lea Congres Internațional UNAS, 22-25 septembrie, Bucuresti, 1999
217. Negrutiu M., Bratu D., Rominu M., Uram-Tuculescu S., Fabricky M., TargisVectris, o alternativa mai noua in protetica fixa. publicat în volumul de rezumate al celui de-al III-lea Congres Internațional UNAS, 22-25 septembrie, Bucuresti, 1999
218. Bortun C, Uram-Tuculescu S., Negrutiu M., Computerele si managementul stomatologic. publicat în volumul de rezumate al celui de-al III-lea Congres Internațional UNAS, 22-25 septembrie, Bucuresti, 1999
219. Heuckmann K-H, Negrutiu M., Endox – Ein neues Behandlungskonzept in der Endodontie, al IV-lea Simpozion International al Zilelor Stomatologice Banatene: Actualitati in stomatologie si chirurgia oro-maxilo-faciala, Volum de rezumate, 6-7 mai, Timisoara, 1999
220. Lakatos S., Bratu D., Uram-Tuculescu S., Negrutiu M., Posibilitati si materiale de placare a suprafetelor de titan, al IV-lea Simpozion International al Zilelor Stomatologice Banatene: Actualitati in stomatologie si chirurgia oro-maxilo-faciala, Volum de rezumate, 6-7 mai, Timisoara, 1999

221. Rominu M., Leretter M., Bucerzan F, Negrutiu M, Interfete în reconstituirile cu inserturi ceramice, al IV-lea Simpozion International al Zilelor Stomatologice Banatene: Actualitati în stomatologie si chirurgia oro-maxilo-faciala, Volum de rezumate, 6-7 mai, Timisoara, 1999
222. Romînu M., Bratu D., Uram-Țuculescu S., Negruțiu M, Adeziunea la țesuturile dure dentare, Al II-lea Congres UNAS, București, 23-25 septembrie, 1998.
223. Leretter M., Colojoară Carmen., Negruțiu M, Fabricky M., Laserul CO 2 în terapia leziunilor premaligne ale mucoasei bucale. Congresul Național de Stomatologie și Chirurgie Maxilo-Facială, București, 25-27 noiembrie 1996.
224. Uram - Țuculescu S., Bratu D., Romînu M., Leretter M., Negruțiu M, Oportunitatea titanului în tehnica dentară românească, Congresul Național de Stomatologie și Chirurgie Maxilo-Facială, București, 25-27 noiembrie 1996.
225. Bratu E., Negrutiu M, Rominu M., Bratu D., Implantul de transfixare în rezolvarea unor cazuri limita. A III-a Conferinta Nationala de Chirurgie Orala si Maxilo-Faciala, Timisoara 09-10.05.1996.
226. Bratu D, Romînu M., Leretter M., Negruțiu M, Uram-Țuculescu S., M. Fabricky, Reconstituiri coronare în zona de sprijin cu megablocuri din beta-quartz , Zilele Stomatologice Bănățene, Timișoara, 25-26 aprilie 1996.
227. Fetzer W., Negrutiu M, Bratu D., Reabilitarea ocluzala în restaurările protetice cu ajutorul simulatoarelor ADM, publicat în volumul de rezumate al Simpozionul internațional "Zilele Stomatologice Banatene", 25-26 aprilie 1996.

## **12. GRANTURI**

### **INTERNAȚIONALE**

1. FP7 COST ACTION MP1005 - NAMABIO “From NAno to MACroBIOMaterials (design, processing, characterization, modeling) and applications to stem cells regenerative orthopedic and dental medicine”, 14. Aprilie 2011 - 13. Aprilie 2015 - Reprezentant pentru România în Management Comitee
2. FP7 COST Action FP1101 - Assessment, Reinforcement and Monitoring of Structures (22 November 2011- 21 November 2015) - Reprezentant pentru România în Management Comitee

### **NAȚIONALE**

1. Program de cercetare interdisciplinară Orizont 2000 - contract nr.15.7 - Cercetari pentru realizarea aparaturii unui laborator zonal pentru testarea si evaluarea calitatii unor biomateriale

dentare - realizat in cadrul Disciplinei de Propedeutica si Materiale Dentare din Facultatea de Medicina Dentara a UMF "Victor Babes" Timisoara, in colaborare cu S.C. INTEL CERC S.A. si cu ISIM Timisoara (1996-1998) - faza 2 - Conceperea si realizarea instalatiei pentru testarea capacitatii de injectare a biomaterialelor polimerice destinate protezelor dentare - Bratu D. (director de proiect), Negrutiu M, Florita S., Csasar L. - perioada 1996-1997 - finantat de Ministerul Educatiei si Cercetarii

2. Grant CNCSIS At 54- Studii numerice și experimentale ale procedeelor restauratoare directe și indirecte ale aparatului dento-maxilar cu materiale heterogene - Rominu M. (director de proiect), Negrutiu M, Sinescu C., Lakatos S. - perioada 2001-2002 - contract nr.35535/2001, grant nr.5
3. Grant CNCSIS At 13/2005 - Elaborarea unei tehnologii și instalații de generare a protezelor parțiale fixe și studiul interfețelor acestora cu țesuturile dure dentare - **Negruțiu Meda-Lavinia- director de proiect**, perioada de desfășurare 2005-2006, valoare 95000 lei, finanțator UEFISCDI (CNCSIS)
4. Grant CEEEX ET 41/2006, contract 1446/29.03.2006 - Tehnici neconventionale de evaluare și optimizare a protezelor dentare - **Negrutiu Meda-Lavinia - director de proiect**, perioada de desfășurare 2006-2007, valoare 140000 lei, finanțator UEFISCDI (CEEEX)
5. Grant CEEEX 82/2006, P-CDI (modulul I) - Optimizarea tratamentelor dento-parodontale prin utilizarea tehnologiei laser – Testări multidisciplinare - Negruțiu Meda - membru în echipa de cercetare (director de proiect - Prof.Dr.Todea Carmen) - 2006-2008
6. 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-Lavinia - director de proiect**, perioada de desfășurare 2007-2008, valoare 192160 lei, finanțator UEFISCDI (CNCSIS)
7. Grant PNII Idei 1741 - Metode neconventionale de analiza si prognostic pentru tehnologii moderne de realizare a protezelor dentare, Sinescu Cosmin (director de proiect), Negruțiu Meda, Rominu Mihai, Florita Zeno, Negru Radu, 2009-2011
8. Grant PNII Idei 1752 - Dezvoltarea de metode optoelectronice de explorare si diagnostic precoce a afectarii vitalitatii dintilor slefuiti in scop protetic si a inflamatiei gingiei marginale, optimizarea tehnicii de lucru, Miron Mariana Ioana (director de proiect), Todea Carmen, Dodenciu Dorin, Negrutiu Meda, Filip Laura, Balabuc Cosmin, 2009-2011
9. Grant PNII Idei 1754 - Depistarea precoce si monitorizarea efectelor bruxismului prin metode moderne, Mărcăuțeanu Corina (director de proiect), Negrutiu Meda, Sinescu Cosmin, Stoica Tunde Eniko, Goguta Luciana, Jivanescu Anca, 2009-2011

10. Grant PNII Parteneriate 2011, code PN-II-PT-PCCA-2011-3.2-1682, contract 22/2012 - Optical Coherence Tomography (OCT) systems with handheld and endoscope probes for real-time investigations in material studies and for in vivo medical imaging (OCT-MSMI) – CO – Coordinator - Aurel Vlaicu University of Arad; **Negruțiu Meda-Lavinia – responsabil de proiect pentru partenerul 3 (UMFVBT)**, perioada de desfășurare 2012-2016, valoare 1191300 lei (380000 lei/UMFVBT)
11. POSDRU/18/1.2/G/40067- STANDARDE DE CALITATE ȘI INDICATORI DE PERFORMANȚĂ SPECIFICI PENTRU ÎNVĂȚĂMÂNTUL SUPERIOR DIN DOMENIUL SĂNĂTĂȚII – coordonator - UMF "Iuliu Hațieganu" Cluj-Napoca, responsabil partener pentru UMFVBT - Prof.Univ.Dr. Marius Raica, Negruțiu Meda-Lavinia - membru - expert calitate pentru medicină dentară
12. Proiect POSDRU/86/1.2/S/63815 - Calitate și competență profesională europeană în educația medicală și în managementul activităților educaționale– coordonator - UMFVBT - Prof.Univ.Dr. Marius Raica, Negruțiu Meda-Lavinia - membru - expert calitate pentru medicină dentară