

CURICULUM VITAE



Name /Forname: **STOIA ADELINA ELENA**

Date of birth : 02.02.1980, Reșița, Romania

Dentist (2004), Oral Surgeon (2010), Lecturer (2017), PhD(2011)_ University of Medicine and Pharmacy „VICTOR BABES,, Timișoara, Romania, Faculty of Dentistry.

Field of interest: Interdisciplinary fundamental research, dental materials, oral surgery, noninvasive investigation technologies, polymers, ceramics, genetics.

PhD Project-first global research demonstrating the practical ability of TD C Scan (En Face) OCT in real time viewing process of the dynamic effects of organic solvents to the superficial layer of polymeric structures (2009-20011). PhD thesis title „**The investigation of the interface properties of indirect polymeric restorative materials. ,,**

International congresses organisation stuff.

-2005- **SRLS, ESOLA, ISLD The International Conference on Lasers in Medicine**, Timisoara_Romania, 1st Edition „**Actualities and Perspectives in Laser Therapy in Dentistry**”, „Victor Babes” University of medicine and Pharmacy, Timisoara , Romania.

-2007- **UMFT”VB”, SRLS, WFLD, The International Conference on Lasers in Medicine, Timisoara_Romania, 2nd Edition, „Actualities and Perspectives in Laser Therapy in Dentistry and Other Medical Specialities**”, „Victor Babes” University of Medicine and Pharmacy, Timisoara, Romania.

Impact factor articles (> 0) articles: 3

1. **New aspects of the acrylic teeth denture base resin bond strength. ADELINA ELENA STOIA¹, ANCA TUDOR². MATERIALE PLASTICE □□53□□No.1□□2016 :58-60. <http://www.revmaterialeplastice.ro> (I.F.= 0,903).**

2. **Scanning Electron Microscopy Imaging Data of Acrylic Teeth Surface Layer After Ethyl Acetate Treatment.ADELINA ELENA STOIA^{1*}, MIHAI ROMÎNU¹, DORU VĂȚĂU². REV.CHIM. (Bucharest)□□□67□□No. 7 2016 : 1445-47. <http://www.revistadechimie.ro> (I.F.= 0,956).**

3. **Aspects of acrylic teeth methyl methacrylate chemical treatment. Noninvasive scanning electron microscopy investigations. 1.ADELINA ELENA STOIA^{*}, 2. LAVINIA ARDELEAN, 3.MIHAI ROMÎNU. MATERIALE PLASTICE □□53□□No.2□□2016:289-91. <http://www.revmaterialeplastice.ro> (I.F.= 0,903).**

Boocks (3)

1. **Tehnologia protezelor dentare (vol. 1). Proteze unidentare** (Meda-Lavinia Negruțiu, Cosmin Sinescu, Marius Leretter, Sorin Lakatos, Mihai Romînu, Liliana Sandu, Zeno Florița, Daniela Pop, **Adelina Stoia**), Curs Lito UMF "Victor Babeș" Timișoara, 2005.

2. **Tehnologia protezelor dentare (vol. 2). Proteze parțiale fixe** (Meda-Lavinia Negruțiu, Cosmin Sinescu, Marius Leretter, Sorin Lakatos, Mihai Romînu, Zeno Florița, Daniela Pop, **Adelina Stoia**, Claudiu Haiduc), Curs Lito UMF "Victor Babeș" Timișoara, 2005.

3. Tehnici de albire a dinților (Cosmin Sinescu, Lavinia Patricia Yikili, Alexandra Maroiu, Emanuela Lidia Craciunescu, Daniela Maria Pop, Adelina Elena Stoia, Meda Lavinia Negrutiu), Editura EUROBIT Timisoara, 2104, ISBN 978-973-132-196-7

Proceedings paper ISI articles (5)

1. 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.r 30-Dec. 2, 2010, Published By WSEAS Press, www.wseas.org Proceedings of WSEAS „**Tensile Bond Strength of Acrylic Resin Teeth to Denture Base Repair Resin**”, **Adelina Elena Stoia**, Cosmin Sinescu, Meda Negrutiu, Marius Enescu, Roxana Rominu, Mircea Pielmusi, Anca Tudor, Mihai Rominu.

2. 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.r 30-Dec. 2, 2010, Published By WSEAS Press, www.wseas.org Proceedings of WSEAS „**Investigations of Different Types of Welding in Dental Technology**” Daniela Maria Pop, Dorin Dodenciu, Cosmin Sinescu, Meda Lavinia Negrutiu, Florin Ionel Topala, Emanuela Lidia Petrescu, Roxana Otilia Rominu, **Adelina Elena Stoia**, Mihai Rominu.

3. 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.

4. The dynamic of acetone effects to the superficial layer of acrylic teeth in Time Domain C Scan (En Face) OCT non invasive investigations. **ADELINA ELENA STOIA**, 1COSMIN SINESCU, 1 MIHAI ROMINU 2ADRIAN GHEORGHE PODOLEANU, Recent Researches in Computational Techniques, Non-Linear Systems and Control ISBN: 978-1-61804-011-4, Proceedings of the 13th WSEAS International Conference on MATHEMATICAL METHODS, COMPUTATIONAL TECHNIQUES AND INTELLIGENT SYSTEMS (MAMECTIS '11) Proceedings of the 10th WSEAS International Conference on NONLINEAR ANALYSIS, NON-LINEAR SYSTEMS AND CHAOS (NOLASC '11) Proceedings of the 7th WSEAS International Conference on DYNAMICAL SYSTEMS and CONTROL (CONTROL '11) Proceedings of the 11th WSEAS International Conference on WAVELET ANALYSIS & MULTIRATE SYSTEMS (WAMUS '11) Iasi, Romania July 1-3, 2011Published.

5. Acrylic teeth ridge lap area chemical treatment trough tensile strength test investigations. **Adelina Elena Stoia**, Mircea Pielmusi, Sorin Lakatos, Cosmin Sinescu, Mihai Rominu, Adrian Gheorghe Podoleanu Recent Researches in Geography, Geology, Energy, Environment and Biomedicine ISBN: 978-1-61804-022-0, pg. 95-100. Proceedings of the 4th WSEAS International Conference on Engineering Mechanics, Structures, Engineering Geology (EMESEG '11) Proceedings of the 2nd International Conference on Geography and Geology 2011 (WORLD-GEO '11) Proceedings of the 5th International Conference on Energy and Development - Environment - Biomedicine 2011 (EDEB '11) Corfu Island, Greece July 14-16, 2011

Proceedings paper BDI articles (4)

1.Tensile testing, a method used to demonstrate the effect of organic solvents on acrylic teeth denture base resin bond strength. **Adelina Elena Stoia**¹, Cosmin Sinescu¹, Mircea Pielmusi¹, Marius Enescu¹, Anca Tudor², Roxana Otilia Rominu¹, Mihai Rominu. INTERNATIONAL JOURNAL OF BIOLOGY AND BIOMEDICAL ENGINEERING, Issue 1, Volume 5, 2011.

2. A different approach of the manufacturing method used to demonstrate the effect of halogenated organic compounds and aromatic hydrocarbons to the composite teeth denture base resin tensile strength. ¹**ADELINA ELENA STOIA**, ²ANCA TUDOR, ³BANDUR GHEZA. WSEAS Transactions on Biology and Biomedicine. ISSN: 1109-9518, Issue 1, Volume 8, January 2011:25-38.

3. Features of acetone dynamic effects induced to acrylic teeth superficial layer: a time domain C Scan (En Face) OCT new approach. **ADELINA ELENA STOIA**, COSMIN SINESCU, MIHAI ROMINU,ADRIAN GHEORGHE PODOLEANU. International Journal Of Circuits, Systems and Signal Processing. Issue 6, Volume 5, 2011.

4. Chemical treatment of acrylic teeth ridge lap area trough tensile strength investigations.

Adelina Elena Stoia, Sorin Lakatos, Mircea Pielmusi, Cosmin Sinescu, Adrian Gheorghe Podoleanu, Mihai Rominu. INTERNATIONAL JOURNAL OF BIOLOGY AND BIOMEDICAL ENGINEERING Issue 4, Volume 5, pg 163-72., 2011.

Proceeding papers CNCSIS B, B⁺ articles

1. Ethylene chloride treatment effects on acrylic teeth denture base resin adhesion: time domain C Scan OCT and SEM investigations. **Adelina E. Stoia**, **Adrian G. Podoleanu**, Medicine in Evolution, Volume XVII, No. 3 Supplement, 2011 ISSN 2065-376X.

2. OCT Aspects Regarding The Effect Of Organic Solvents On Acrylic Teeth. **A.E. Stoia**, F. Topala, C sinescu, M. Rominu, A. Bradu, G. Dobre, A.G. Podoleanu. International Conference „Biomaterials, Tissue Engineering & Medical Devices” Conference Proceedings, Sinaia, Romania, 23-25 September 2010.

3. Ceramic veneers and integral ceramic crowns investigated with time domain optical coherence tomography. C Sinescu, MLNegrutiu, F. Topala, D. Dodenciu, A. Bradu, C. Ionita, G. Dobre, E. Petrescu, M.D. Pop, R.O. Rominu, **A. Stoia**, **M. Rominu**, **A. Gh Podoleanu**. International Conference „Biomaterials, Tissue Engineering & Medical Devices” Conference Proceedings, Sinaia, Romania, 23-25 September 2010.

4. Modern Investigation Methods of interfaces in Dentistry. **Stoia Adelina Elena**, Rominu Mihai, Sinescu Cosmin, Negrutiu Meda Lavinia, rominu Roxana Otilia, Haiduc Claudiu. Proceedings of the Xth International Symposium „Young People and Multidisciplinary Research” 13-14 november 2008, Timisoara, Romania.

5. Ceramic brackets from their origins up to the present moment. Rominu Roxana Otilia, Mihai Rominu, Meda Lavinia Negrutiu, Sinescu Cosmin, Daniela Pop, **Adelina Stoia**, Claudiu Haiduc, Sorin Mihali. Proceedings of the Xth International Symposium „Young People and Multidisciplinary Research” 13-14 november 2008, Timisoara, Romania.

6. The Strength analysis of fixed partial dentures soldering by different types of welding. Pop Daniela Maria, Rominu mihai, Negrutiu Meda Lavinia, Sinescu Cosmin, Rominu Roxana Otilia, Haiduc Claudiu, **Stoia Adelina Elena**, Enescu Marius, Ciocan George. Proceedings of the Xth International Symposium „Young People and Multidisciplinary Research” 13-14 november 2008, Timisoara, Romania.

7. Modern Techniques to appreciate the interface between dentin surface and the obturation. Marius Enescu, Pop Daniela maria, Claudiu Haiduc, **Stoia Adelina Elena**, Soicu Andra. Proceedings of the Xth International Symposium „Young People and Multidisciplinary Research” 13-14 november 2008, Timisoara, Romania.

8. „Chemical Treatment Effects on Adhesion of Acrylic Teeth to a Denture Base Resin. Comparative Study: Oct Versus Tensile Bond Strength” **Adelina Elena Stoia**, Cosmin Sinescu, Florin Topalã, Mihai Romînu, Adrian G. Podoleanu, 1. Proceedings of the XIIth International Symposium "Young People and Multidisciplinary Research", 11-12.11.2010, Timișoara Editura Politehnica, Timișoara pg.156-161, ISSN 1843-6609.

9. Pop DM, Sinescu C, Negrutiu ML, Romînu RO, Petrescu EL, Stoia AE, Topalã 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.

10. 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 through Empress system. Qualitative study, Medicine in Evolution, vol.XV nr.2/, pg.83-86, 2065-376X, 2009.

11. Aspecte tehnologice în depunerea electroforetică a aluminei pentru realizarea coroanelor integral ceramice utilizând sistemul Wol-Ceram (Pop Daniela, Mihai Romînu, Cosmin Sinescu, Meda-Lavinia Negrutiu, Claudiu Haiduc, Roxana Romînu, Adelina Stoia, Nicolae Viruzab, Cristina Groza), Al XIII-lea simpozion internațional “Zilele Medicale Bănățene”, 13-17 mai, 2008; TMJ 2008, Vol.58, Supliment Nr.1, ISSN 1583-5251, pg.85.

12. Adeziunea amelară și dentinară: înapoi în trecut? (M. Romînu, coautori Zeno Florița, Claudiu Haiduc, Cosmin Sinescu, Roxana Otilia Romînu, Meda Negrutiu, Daniela Popa, Adelina Stoia) - Interdisciplinary Approach to Present Dental Medicine 1st Edition, 25 – 28 June 2008, Timișoara, ISSN 1454 – 8224, pag. 44 – 47.

13. Metode moderne de igienizare a protezelor dentare (Meda Negrutiu, Cosmin Sinescu, Dorin Dodenciu, Mihai Romînu, Adelina Stoia, Roxana Romînu), Zilele Academice Timișene, Ed. X, Timișoara, 24 - 25 mai 2007. Timișoara Medical Journal, vol. 57, supplement 2 ISSN 1583 - 5251.

14. Investigarea variației temperaturii la nivelul camerei pulpare utilizând un sistem tip termistor (Mihai Romînu, Dorin Dodenciu, Cosmin Sinescu, Meda Negrutiu, Zeno Florița,

Adelina Stoia, Claudiu Haiduc), Zilele Academice Timișene, Ed. X, Timișoara, 24 - 25 mai 2007. Timișoara Medical Journal, vol. 57, supplement 2 ISSN 1583 - 5251.

15. Proteze parțiale mobilizabile cu baze flexibile - o soluție alternativă (Meda Negruțiu, Cosmin Sinescu, Mihai Romînu, **Adelina Stoia**, Daniela Pop, Luis-Alberto Szalina), Zilele Medicale Bănățene - Medicina Mileniului III, Timișoara Medical Journal, vol. 5, supl. 2, pg. 72, ISSN 1583-5251, Timișoara 19-21 mai 2005.

Proceeding papers- CNCSIS C, D articles

1. Sinescu C, Negrutiu 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, Negrutiu ML, 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. Rezolvări Alternative Minim Invazive a unor Brese Unidentare. Sistemul Crownless Bridge (CBW) - Sinescu C., Negrutiu M., Craciun B., Rominu R.O., Pop D.M., Haiduc C., Florita Z., **Stoia A**, Rominu M., *Dental Target*, ISSN 1842-2054, 2008

6.. Aspecte Tehnologice in Depunerea Electroforetica a Aluminei pentru Realizarea Coroanelor Integral Ceramice Utilizand Sistemul Wol-Ceram - D.M. Pop, M. Rominu, C. Sinescu, M. Negrutiu, C. Haiduc, R. O. Rominu, **A. Stoia**, N. Viruzab, F. Mitroi, C. Groza, *Dental Target*, ISSN 1842-2054, 2008

7. Sisteme injectate versus sisteme clasice in rezolvarea edentatiei totale, - Meda Negrutiu, Daniela Pop, **Adelina Stoia**, Roxana Romînu, Mihai Romînu, *Proceeding of the IX International Symposium, 15-16 noiembrie, 2007, 250-153, Editura Mirton*, 2007

8. Obtaining face-bow registration with Whip-Mix face-bow - Negruțiu Meda, Sinescu C., Pop Daniela, Florița Z., **Stoia Adelina**, *Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed. Sudura, Timișoara*, 2004

9. 3D Dental Imaging By Spiral CT - Pop Daniela, Sinescu C., Florița Z., Negruțiu Meda, **Stoia Adelina**, *Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed. Sudura, Timișoara*, 2004

10. Making Holograms in Dentistry - Sinescu C., Pop Daniela, Florița Z., Negruțiu Meda, **Stoia Adelina**, *Revista Asociației pentru Cercetare Multidisciplinară din Zona de Vest a României, CD-Rom, ed. Sudura, Timișoara*, 2004

Awards (3)

1 Tensile Bond Strength of Acrylic Resin Teeth to Denture Base Repair Resin”, **Adelina Elena Stoia**, Cosmin Sinescu, Meda Negrutiu, Marius Enescu, Roxana Rominu, Mircea Pielmusi, Anca Tudor, Mihai Rominu. Premiul CNCSIS, competitia 2010 (ianuarie 2011)

2. Casavela Cristofor, Cosmin Sinescu, Meda Negrutiu, **Adelina Elena Stoia** and colab, An “In vitro” Comparative Study regarding the ultrasound on root canal preparation and apical sealing, First Prize during Mid Year Meeting Moskow, 2011.

3. D.Pop, C. Sinescu, M. Negrutiu, **Adelina Elena Stoia** and colab, Metalographic investigations of titanium sincristalisation, Premiul intai la Conferinta Internationala “Napoca BioDent’2009”

GRANTS (3)

1. Grant CNCISIS At 13/2005 - Elaborarea unei tehnologii și instalații de generare a protezelor parțiale fixe și studiul interfețelor acestora cu țesuturile dure dentare –[Adelina Elena Stoia](#) membru , perioada de desfășurare 2005-2006, valoare 95000 lei, finanțator UEFISCDI (CNCISIS)-membru .
2. Grant CEEX ET 41/2006,contract 1446/29.03.2006 - Tehnici neconventionale de evaluare și optimizare a protezelor dentare – [Adelina Elena Stoia](#)-membru, perioada de desfășurare 2006-2007, valoare 140000 lei, finanțator UEFISCDI (CEEX) –membru.
3. Grant CNCISIS A 1032/2007 - Optimizarea comportamentului biomecanic al protezelor parțiale prin introducerea unui nou sistem special de mentinere sprijin stabilizare și generarea unor masuri moderne de igienizare și intretinere, [Adelina Elena Stoia](#)- membru, perioada de desfășurare 2007-2008, valoare 192160 lei, finanțator UEFISCDI (CNCISIS)-membru.

CITACIONS

1. Evaluación de la fuerza de unión entre dientes artificiales y base de dentadura Efecto de monómero de metil metacrilato y metil etil cetona. Haidé Reséndiz Melgar, Federico Humberto Barceló Santana, Carlos Álvarez Gayosso. Odontología Actual / año 10, núm. 120, Abril de 2013.
2. Effect of plasma treatment of acrylic denture teeth and thermocycling on the bonding strength to heat cured acrylic denture base material , Hikmat J. Aljudy, B.D.S., M.Sc., Ph.D., Restorative Dentistry J Bagh College Dentistry , Vol. 25(Special Issue 1), June 2013.
3. Effect of certain chemical surface treatments on repair bond strength of some denture base materials Reem Ahmed Shihab, B.D.S. (1) Basima M. A. Hussein, B.D.S., M.Sc., Ph.D., J Bagh College Dentistry, Vol. 26(1), March 2014.
4. The Effect of Different Disinfectant Solutions on Shear Bond Strength of Acrylic Teeth to Flexible Denture Base Material Ihssan F Al-Takai BDS, MSc (Asst. lec.) , Department of Prosthodontic , College of Dentistry, University of Mosul , Al – Rafidain Dent J pg.143-52, Vol. 14, No1, 2014, ISSN: 1812–1217.
5. A graphene/zinc oxide nanocomposite film protects dental implant surfaces against cariogenic Streptococcus mutans Shatavari Kulshrestha, Shakir Khana, Ramovatar Meenac, Braj R. Singhb & Asad U. Khana a Interdisciplinary Biotechnology Unit, Aligarh Muslim University, Aligarh 202002, India b Center of Excellence in Material Sciences (Nanomaterials), Aligarh Muslim University, Aligarh 202002, India c School of Environmental Sciences, Jawaharlal Nehru University, New Delhi 10067, India, Biofouling: The Journal of Bioadhesion and Biofilm Research , Published online: 28 Nov 2014