



Europass Curriculum Vitae



Personal information

First name(s) / Surname(s) **Cristina Maria Borțun**
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E-mail CRISTINABORTUN@YAHOO.COM; cristinabortun@gmail.com
Nationality Romanian
Date of birth 30th December 1951
Gender Female

Desired employment / Occupational field

**DMD, PhD leading
Dental Medicine**

Work experience

Dates

2013 – 2016 Dean of Faculty of Dental Medicine Timisoara
2012 – 2013 Prodean of Faculty of Dental Medicine Timisoara
2012 - present Specialist in Dental Prosthetics, nr 786/3 august 2012
2008- at present PhD leading, decision 3292/26. 02. 2008
2004- at present **University Professor**, through a **contest**, at UMF „Victor Babeș” Timișoara and head Discipline - Dental Prosthesis Technology, Dental Technology Specialization- additional act 142/10.10.2004 to work contract 1312 / 1996;
2004- at present **Senior in dental-alveolar surgery** – confirmation order MS. 1464/9.XI.2004;
2004- at present **Preventive Dentistry Competence**- confirmation MH, National Centre for Postgraduate Perfecting of Doctors, Pharmaceutical Chemists, other stuff with superior studies and medically assistants - series C no. 014272/2.VI.2004, registration no. 16002;
1999- 2004 **Associate professor**, through a **contest**, at UMF „Victor Babeș” Timișoara and Head Discipline- Dental Prosthesis Technology, Dental Technology Specialization (work contract 1312/1996, ME order no. 5088/1999, communication no. 63/ 1.09.m 1999);
1996- 1999 **Lecturer** at Medical University College, Dental Technology Specialization, UMF Timișoara, through competition, Discipline Leader- Dental Prosthesis Technology (work contract 1312 / 1996);
1992 – 1999 Head **Department** through **competition**, - 1st Dentistry Polyclinic, dependent on No.1 Clinical District Hospital (work contract 2095/ 1992);
1991- at present **Senior in General Dentistry**, through a **contest** de (MH order 800/1991);
1990- 1991 **Specialist in General Dentistry** (disposition 1373/1990) by title changing from main to specialist doctor, Municipal Clinical Hospital Timișoara;
1988- 1991 **Main Doctor in General Dentistry** at 3rd Polyclinic of Municipal Clinical Hospital Timișoara (through transference in job's benefit);
1980- 1990 **Main Doctor in General Dentistry**, through a **contest** - MH order 603/1980, 1st Dentistry Service of 2nd Polyclinic Timisoara;

Dates	<p>1984- 1988 Main Doctor in General Dentistry at 4th Polyclinic (transference in job's benefit to Municipal Clinical Hospital Timișoara- work contract 177/1984);</p> <p>1979- 1984 Dentist transferred through internal contest from „Electromotor” Health Centre to 1st Dentistry Service of 2nd Polyclinic Timisoara;</p> <p>1977- 1979 Dentist employed through “Entrance in Timisoara” a contest - at „Electromotor” Health Centre, dependent on 2nd Polyclinic of No.1 Clinical District Hospital Timisoara- work contract 1231/1977;</p> <p>1975 – 1977 Internal Doctor, through a contest, employed at Hygiene and Public Health Institute Timisoara- decision 62/1975.</p>
Occupation or position held	University Professor, Chef of Discipline - Dental Prostheses Technology, Dental Technology Specialization, Faculty of Dentistry Timisoara
Main activities and responsibilities	University education- teaching/research activity
Name and address of employer	„Victor Babeș” University of Medicine and Pharmacy Timișoara
Education and training	
Dates	
Title of qualification awarded	Courses for students in Dental Prostheses Technology Field; books, courses and laboratory guides for students, doctors; scientific papers; development of material basis for teaching and research.
Principal subjects/occupational skills covered	Developing and delivering lectures to students in dental technologies; developing and publishing books, courses and guidance for training dental technicians students; elaboration of scientific papers; Development of infrastructure for teaching and research activities
Name and type of organisation providing education and training	
Level in national or international classification	<p>2015- Diploma Napoca Biodent 2015 Diploma BaSS 2015 Diploma Congresul WFLD ED 2015 Romania Diploma Congress Craiova 2015</p> <p>2014 Diploma FDI Annual World Dental Congress New Delhi, India Congress Transilvania Cluj Napoca Congress Craiova 2014 Symposium “Medicina între real și virtual” – Republica Dominicana 16-22 martie 2014</p> <p>2013- Diploma FDI Annual World Dental Congress, 28-31 august, 2013 Istanbul - Congress dental medicine between real and virtual The XII-th edition of the Denta&Pharma 2013 exhibition of equipments, instruments and materiakls for dentistry 21-august Tulcea, 22-23 august Constanța - The 5th Internațional Congress of Romanian Education Association for Education, “Clasic versus avangardă în tehnicile și nanotehnologiile medicinei dentare. 21-23 martie 2013 Iași - Artens Congress 14th Symposium on Experimental Stress Analysis and Materials Testing with the occasion of 90 years of Strength of Materials Laboratory, 23 – 25 May 2013 - Diploma Medical Days Banatene, 2013</p> <p>2012- Diploma FDI Annual World Dental Congress, 29 august-1 september, 2012 Hong Kong - The IVth Național Congres, “Zilele Medicinei Dentare Craiovene”, 7-9 Iunie 2012, Craiova - The II th Congres of Ergonomy, preventive si performant Management in Dental Medicine, the Xth OroDental Congres of health and Management in Black Sea Euroregion - The Xth International Congress of OroDental Health and management in the Black Sea Euro-Region, 23-25 may 2012 - Diploma Medical Days of Banat, 2012</p> <p>2011 – Diploma DAAAM 2011 the 22st International DAAAM Symposium, Viena, Austria - Diploma The III-th Național Congress, Dental Medical Days of Craiova, First National Congress of SRCMD, Craiova, 23-27 Martie 2011 - Diploma 16th Congress of BaSS, april 28th- 1 may, 2011, Bucharest, Romania - Diploma IXth International Congress Orodental Health and Management in the Black Sea Countries, 28may 2 juin - Diploma 45th Meeting of the Continental European, Division of the International Association for Dental Research (CED-IADR) with the Scandinavian Division, August 31-September 3, 2011, Theoretical Building of the Semmelweis University, Budapest, Hungary - Diploma 24 th European Conference on Biomaterials 4th-9th September, Dublin, Irlanda, 2011 - Diploma FDI Annual World Dental Congress, 14-17 September, 2011 Mexico City - Diploma Academic Timișoara Days, ed. a XII-a 26-27 mai 2011 Timisoara - Diploma Internațional Congress “Timmedica” Timișoara, 16-18 iunie 2011 - Diploma Medical Days of Banat, 2011</p>

- 2010 - Certificate of appreciation for scientific contribution 15th BaSS Thessaloniki and Annual Meeting of the European College of Gerontology, 22-25 april 2010
- 2010 - Certificate of attendance IADR General Session and Exhibition 14-17 July 2010, Barcelona, Spain, ADA CERP Continuing Education Recognition Program
- 2010 - Certificate of attendance – participant Congress FDI, Salvador de Bahia, Brazilia, 2010.
- 2010 – Certificat of appreciation presented to Two testing methods for evaluating fracture toughness of composite resin, C. Bortun, N. Faur, A. Cernescu, B. Ghiban, in recognition for a significant contribution to the scientific programme of FDI Annual World dental Congress, Salvador da Bahia, Brazilia, 2010.
- 2010 – Certificate of Attendance – ABSTD 5 th European Meeting Bucuresti 15-17 april 2010, 20 credite EMC, CMDR Series C No. 553
- 2010 - Diploma the II-th National Congres "Zilele Medicinii Craiovene", The III th International Congres of Endodontics, 24-26 martie 2010 , 40 credits EMC, no. 460/461 from 22.02. 2010
- 2010 - Certificate of attendance – **Prime Course for Medical Educators, Energising the Teacher - student relationship**, Timisoara 13-14 april 2010, prime partnership in International Medical Education, University of Brighton, U.K.
- 2010 - **Certificat of graduation Proiect Manager** - 15 iunie 2010 from "Ministerul Muncii Familiei si Egalitatii de Sanse si Ministerul Educatiei, cercetarii si Tineretului", seria F. Nr. 0324089, cod COR 241919,
- 2009 - diploma for participation at Balkan Congress for rare diseases Romania, Cluj-Napoca, June 26-27, Medical University „Iulie Hateganu”, Share an inspired vision in RD , adresa CMR 3155/22.06. 2009 - 12 credite EMC
- 2009 – Certificat of Recognition, speaker, organizator, participant at International Conference on laser in Medicine Timisoara Romania, 3 rd Edition „New Highlights in Clinical Practice” september 24-26 th 2009, 40 credite EMC
- 2008** - 14th Swiss Conference on Biomaterials, Basel, Elveția, 8 mai, participare activă cu 5 lucrări aprobate
- 2008 – Diploma Congresul IADR –PEF Londra, UK, 4-9 septembrie 2008
- 2008 Certificat of attendance și de participare cu lucrare științifică Annual World Dental Congress FDI Stockholm, Suedia, 24-27 septembrie 2008
- 2008 - Congresul of Romanian Society of Biomaterials 14-16 noiembrie 2008,
- 2007** - Diploma 4 month curs: Radiodiagnostic dento-maxilar, UMF"V.B." TIMIȘOARA, 47,5 credite EMC
2007. - Diploma of participation at International Congress of Dental Medicine AMSPPR Bucuresti
- 2007 Diploma - 29th Asia Pacific Dental Congress, 25-29 aprilie 2007 Jakarta, Indonesia, acreditat internațional 9 SKP
2007. - Certificate of attendance la 13th Swiss Conference on Biomaterials (SSB2007) May 9th, 2007, Neuchâtel, Elveția
2007. - Diploma de participare la al 12-lea Congresul Internațional "Zilele Medicale Bănățene, 15-19 mai, 2007. EMC 40 credite conform adr.885/02.04.2007.
2007. - Diplomă participare Congresul Internațional de Laseri în Medicină 5-7 iulie 2007, Timișoara, 40 credite EMC
2007. - Certificat de participare la lucrările Conferinței Internaționale Prader Willi și Boli Genetice Rare desfășurate în Cluj Napoca la UMF "Iuliu Hațeganu", 21 - 24 iunie 2007; 24 credite EMC
2007. - Diploma APWR- rare diseases.
- 2007- Certificat of attendance FDI – participare la Congresul FDI, Annual World Dental Congress, Dubai, 22-25 octombrie 2007,
- 2007 - Diplomă Congresul IADR, divizia continentală și Disraeli de la Thessaloniki, 2007

Personal skills and competences

- Skills: punctuality, own initiative spirit, team work capacity ; capacity in working with deadlines; analysis and synthesis capacity; stress resistance; attention; multicultural environment adaptation capacity.
- Competences in dental alloys welding, especially CoCrMo, used in RPD Technology; design and technology variants of RPD.
- Competences in interpreting static analysis for RPD mechanic resistance evaluation, using finite elements method.
- Competences on technologic variants of total dentures. Resins quality appreciation for traction, fatigue tests in order to estimate the lifetime- dentures warranty.

Mother tongue(s)

Specify mother tongue (if relevant add other mother tongue(s), see instructions)

Other language(s)	Understanding				Speaking				Writing	
	Listening		Reading		Spoken interaction		Spoken interaction			
B1	English	B1	English	B1	English	A2	English	A2	English	
B2	German	B2	German	B2	German	B1	German	A2	German	
B2	French	B2	French	B1	French	A2	French	A2	French	

(*) Common European Framework of Reference for Languages

Social skills and competences

Volunteer for Prader Willi Rare (Genetic) Diseases Association

Organisational skills and competences

1991 – 1999 **County Coordinating Dentist**, invested by The Timis Sanitary Authority (disposition 313/ 23.12. 1991 and disposition 111/ 27. 03. 1997 – for 2nd sequence)
Experience in Project Management, as a result of coordinating projects with national financial support: CNCSIS type A , No. 744 (2006-2008), PN II, Ideas no.1878 (209-2011)
Member in Organizing Committee of conferences, symposiums: International Congress "Interdisciplinary approach to present dental medicine" UMF "V.B." Timișoara, 2008. "The Medical Days in Banat 3rd Millennium Medicine" 2006, 2007, 2008.

Technical skills and competences

Use of welding devices for dental technology laboratories; use of metallographic microscope, which can capture images of metallic structures; use of micro motors.

Computer skills and competences

Microsoft Office (Word, Power Point), Internet Explorer, CorelDraw, books drawing up.

Artistic skills and competences

Artistic skills in Poster realizing for international congresses, classical music, melotherapy

Other skills and competences

Evaluator expert CNCSIS, Committee 6

Driving licence

B category driving license

Additional information

References: Prof. Univ. Dr. Lavinia Ardelean; Prof. Univ. Dr. Podariu Angela Codruța – UMF"V.B." Timișoara; Prof. Univ. Dr. Ing. Faur Nicole, Univ. Politehnica Timișoara

Annexes

List any items attached. (Remove heading if not relevant, see instructions)

Published articles:

2016

1. Negrutiu, Meda-Lavinia; Sinescu, Cosmin; Bortun, Cristina Maria; et al.: [Assessment of Dental Plaque by Optoelectronic Methods](#) Conference: 5th Congress of the World-Federation-for-Laser-Dentistry / 6th International Conference on Lasers in Medicine Location: Bucharest, ROMANIA Date: MAY 07-09, 2015 HIGH-END MEDICINE BASED ON LASER AND BIOTECHNOLOGIES Book Series: Proceedings of SPIE Volume: 9670 Article Number: UNSP 96700W Published: 2016
2. Bica, I.; Anitas, E. M.; Bunoiu, M.; L. Iordaconiu, C. M. Bortun, L. M. E. Averis: [MECHANISMS OF MICROPOROUS FORMATION IN SILICONE RUBBER BASED MEMBRANES](#) ROMANIAN JOURNAL OF PHYSICS Volume: 61 Issue: 3-4 Pages: 464-472 Published: 2016

2015

1. Rusu, Laura Cristina; Pirte, Adriana; Bortun, Cristina Maria; et al.: [Customized Tissue Engineering Scaffold using Rapid Prototyping Technique in Rat Bone Augmentation](#) REVISTA DE CHIMIE Volume: 66 Issue: 2 Pages: 233-235 Published: FEB 2015
2. Porojan, Liliana; Porojan, Sorin; Bortun, Cristina; et al. [Defects in Dental Alloys Cast Single Tooth Restorations](#) REVISTA DE CHIMIE Volume: 66 Issue: 2 Pages: 210-212 Published: FEB 2015
3. Rusu, Laura Cristina; Pirte, Adriana; Bortun, Cristina Maria; et al.: [Properties of Biomaterials in Bone Augmentation](#) REVISTA DE CHIMIE Volume: 66 Issue: 3 Pages: 396-399 Published: MAR 2015
4. Cirtina, G.; Balasoiu, M.; Anitas, E. M.; C.M. Bortun, C. Ionescu, L. Craciun, L.M. Averis, I. Bica.: [Silicone rubber membranes: Influence of the electric field of medium frequency on the dielectric properties](#) JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS Volume: 17 Issue: 11-12 Pages: 1891-1895 Published: NOV-DEC 2015

2014

1. Ghiban, Brandusa; Bortun, Cristina Maria; Ghiban, Alexandru; et al. [Cobalt based Alloys for Dental Applications](#) , Conference: 5th international Conference on Biomaterials, Tissue Engineering and Medical Devices (BiomMedD 2012) Location: Constanta, ROMANIA Date: AUG 29-SEP 01, 2012, BIOMMEDD V Book Series: Key Engineering Materials Volume: 583 Pages: 175-178 Published: 2014 , ISBN 978-3-901509-70-4, <http://www.scientific.net/>
2. Bortun, Cristina Maria; Ghiban, Brandusa; Ghiban, Nicolae: [Surface Characterization of Some CoCrMo Dental Alloys](#) Conference: 5th international Conference on Biomaterials, Tissue Engineering and Medical Devices (BiomMedD 2012) Location: Constanta, ROMANIA Date: AUG 29-SEP 01, 2012, BIOMMEDD V Book Series: Key Engineering Materials Volume: 583 Pages: 36-40 Published: 2014

3. Cernescu, A.; Faur, N.; Bortun, C. [Stress state evaluation in complete denture by electrical resistance strain gage](#) Conference: 14th Symposium on Experimental Stress Analysis and Materials Testing Location: POLITEHNICA Univ Timisoara, Timisoara, ROMANIA Date: MAY 23-25, 2013, PROCEEDINGS OF THE 14TH SYMPOSIUM ON EXPERIMENTAL STRESS ANALYSIS AND MATERIALS TESTING Book Series: Key Engineering Materials Volume: 601 Pages: 171-176 Published: 2014 ISBN 13:978-3-03835-048-4, Biomechanical Applications, <http://www.scientific.net/>
4. Marcauteanu, Corina; Stoica, Enikoe Tuende; Bortun, Cristina; et al.: [Advantages of a Polyethylene Terephthalate Glycol-modified Coated with a Thermoplastic Polyurethane as an Occlusal Appliance Material](#), REVISTA DE CHIMIE Volume: 65 Issue: 6 Pages: 734-736 Published: JUN 2014
5. Ghiban, Alexandru; Ghiban, Brandusa; Bortun, Cristina Maria; et al.: [Structural Investigations in CoCrMo\(Ti\) Welded Dental Alloys](#) REVISTA DE CHIMIE Volume: 65 Issue: 11 Pages: 1314-1318 Published: NOV 2014, ISSN 0034-7752, impact factor 0,677, scor influenta 0,179, <http://www.revistadechimie.ro>
1. Bortun, Cristina Maria; Porojan, Liliana; Porojan, Sorin Daniel: [FGP Friction Fit System used in Telescopic Technique of Removable Partial Dentures](#), MATERIALE PLASTICE Volume: 51 Issue: 4 Pages: 440-443 Published: DEC 2014 ISSN 0025-5289, factor de impact 0,463, scor de influenta 0,01, <http://www.revmaterialeplastice.ro/>

6. Rusu, Laura Cristina; Bortun, Cristina-Maria; Hoinoiu, Bogdan; et al.: [Low Intensity Pulsed Ultrasound for Bone Augmentation A Synchrotron Radiation X-Ray micro-CT evaluation](#), REVISTA DE CHIMIE Volume: 65 Issue: 12 Pages: 1495-1497 Published: DEC 2014

2013

1. Ghiban Brandușa, Ghiban A., Bortun CM, Ghiban N., Rosso M: **Structural characterization of a new cobalt alloy for dental applications**. Journal of optoelectronics and advanced materials, vol. 15., issue 7-8, pp. 911-917, July - August 2013, ISSN 1454-4164, research areas material science, optics, physics The impact factor for Impact factor 0.52; 2012 is 0.516 scor de influență 2012este de0,103 ISSN: 1454 - 4164 OCLC60616798 <http://inoe.inoe.ro/joam/index.php>
2. Lavinia Ardelean, Laura-Cristina Rusu, Dana Cristina Bratu, Cristina Maria Bortun: **Diacrylic Composite Resins as Veneering Materials**, pp.93-97 MATERIALE PLASTICE Bucharest-Romania, Chem. Abs.: MPLAAM Vol. 50, no. 2, pp. 93-96, June 2013 (71- 152) ISSN 0025 / 5289impact factor 0.379, scor infl 0.036/2012, <http://www.revmaterialeplastice.ro/>
3. Sorin Mihali, Cristina Bortun, Emanuel Bratu: **Nano-ceramic Particle Reinforced Coposite -Lava Ultimate CAD/CAM Restorative REV. CHIM. (Bucharest) ♦ 64 ♦ No. 4 - aprilie 2013, ISSN 1221-9371 0034-7752 <http://www.revistadechimie.ro>, pp.435-437 factor de impact 0.538, scor influenta 0.048**
4. Otilia Bolos, Cristina Maria Bortun, Anghel Cernescu, Lavinia Ardelean, Laura Rusu, Adrian Bolos: **Fracture toughness evaluation of some resins used in complete dentures' technology** MATERIALE PLASTICE vol.50, No. 1, pp. 28-31, 2013, <http://www.revmaterialeplastice.ro>, ISSN 0025 / 5289impact factor 0.379, scor infl 0.036/2012,

2012

5. Bortun CM, [Ghiban, B.](#), [Ghiban, N.](#), [Ardelean, L.](#); Rusu, LC: **Surface Characterization of Some CoCrMo Alloys Used in RPD Technology**, REVISTA DE CHIMIE, Volume:63, Issue: 9 Pages: 906-910 Published:SEP 2012, factor de impact 0.599/2011, scor de influenta , 0.035/2011, ISSN 0034-7752, www.revistadechimie.ro.
6. [Gaman, S.](#), Bortun CM, [Merceut, V.](#), [Ardelean, L.](#), [Rusu, LC.](#): **Optimization Techniques of the Cast Clasps Retention**, REVISTA DE CHIMIE Volume: 63, Issue: 8, Pages: 797-802, Published:AUG 2012, , factor de impact 0.599/2011, scor de influenta , 0.035/2011, ISSN 0034-7752, www.revistadechimie.ro.
7. [Podariu, AC.](#), Bortun CM., [Popovici, AR.](#), [Rosianu, RS.](#):**Chemical Composition of the Dental Cements, a Risk Factor for the Health**, REVISTA DE CHIMIE, Volume: 63 Issue: 8 Pages: 809-810 Published: AUG 2012, factor de impact 0.599/2011, scor de influenta , 0.035/2011, ISSN 0034-7752, www.revistadechimie.ro.
8. Bortun CM, [Ardelean, L.](#), [Rusu, LC.](#), [Marcauteanu, C.](#): **Importance of Modern Light-curing Resins in the Design of Removable Partial Dentures** REVISTA DE CHIMIE, Volume: 63 Issue: 4 Pages: 428-431 Published: APR 2012, , factor de impact 0.599/2011, scor de influenta , 0.035/2011, ISSN 0034-7752, www.revistadechimie.ro.
9. Bortun CM, [Cernescu, A.](#), [Ardelean, L.](#): **Mechanical Properties of Some Dental Resins in Wet and Dry Conditions** MATERIALE PLASTICE Volume: 49 Issue: 1 Pages: 5-8 Published:JAN 2012 factor de impact 0.387/2011, scor de influenta 0.038/2011, **Subdomeniu/i ISI, Materials Science, Multidisciplinary, ISSN 0025 / 5289, www.revmaterialeplastice.ro**
10. [Ardelean, L.](#), Bortun C, [Podariu, AC.](#), [Rusu, LC.](#): **Some Alternatives for Classic Thermopolymerisable Acrylic Dentures** MATERIALE PLASTICE Volume: 49 Issue: 1 Pages: 30-33 Published:JAN 2012, factor de impact 0.387/2011, scor de influenta 0.038/2011, **Subdomeniu/i ISI, Materials Science, Multidisciplinary, ISSN 0025 / 5289, www.revmaterialeplastice.ro**
11. Ghiban Alexandru, Ghiban Brândușa, Bortun Cristina Maria, Ghiban Nicolae, Antoniac Iulian: **Heat Treatments Influence on Corrosion Resistance of Some New Dental Cobalt Alloys Advanced Materials and Structures IV Solid State Phenomena Vol. 188 (2012) pp 93-97, Online available since 2012/May/14 at www.scientific.net, © (2012) Trans Tech Publications, Switzerland, doi:10.4028/www.scientific.net/SSP.188.93**

2011

12. Bortun CM, Ghiban B, Ghiban A, Cernescu A, Ghiban N, Semenescu A> **Comparative studies of tensile and bending behavior for some CoCrMo alloys**, METAL INT. 16/7:5-13, ISSN 1582-2214, factor impact 0,154, Factor de impact agregat al domeniului 1,23, www.metalurgia.ro/metalurgia_int.html
13. Cernescu A.; Faur N.; Bortun C: **A methodology for fracture strength evaluation of complete denture**, ENG FAIL ANAL 18/5: 1253-1261, ISSN 18/5: 1253-1261, factor impact 0,765, Factor de impact agregat al domeniului 1,058, scor de influenta 1,12014787430684, <http://www.journals.elsevier.com/engineering-failure-analysis>,
14. Cernescu A, Faur N, Bortun C, Nes C: **Fatigue crack growth rate in acrylic resins under variable amplitude loading**, THEOR APPL FRACT MEC, 56:58-61, ISSN 0167-8442, factor impact 1,073, Factor de impact agregat al domeniului 1,058, scor de influenta 1,3535660091047, <http://www.journals.elsevier.com/theoretical-and-applied-fracture-mechanics/>

Proceedings ISI

15. Bortun CM, Cernescu A: **Multidisciplinary evaluation of complete dentures durability**, Annals of DAAAM for 2011 & proceedings of the 22st International DAAAM Symposium, Vol 22./1/0627-0628, ISSN 1726-9679, Factor de impact agregat al domeniului 1,408, www.daaam.com/
16. Bolos A, Bortun CM, Bolos OC, Cernescu A: **Investigation of lung function among dental laboratory technicians**. Annals of DAAAM for 2011 & proceedings of the 22st International DAAAM Symposium, Vol 22./1/1177-1178, ISSN 1726-9679, Factor de impact agregat al domeniului 1,408, www.daaam.com/
17. Bortun CM, Cernescu A, Faur N, Ghiban B, Bolos O, Szabo L: **Fracture strength evaluation of complete dentures by finite element method**, IQCMEA-ICF 14 NOV 2011 LUXOR EGIPT, 350-358
18. Ardelean L, Reclaru L, Bortun C, Rusu LC: **Assessment methods of different laser welded dental alloys**, Annals of DAAAM for 2011 & Proceedings of the 22nd DAAAM Symposium, vol. 22, nr. 1, pag. 1047-1048, ISBN 978-3-901509-83-4 ISSN 1726-9679, ISSN 1726-9679, Factor de impact agregat al domeniului 1,408, www.daaam.com/

2010

19. Cristina Bortun, Anghel Cernescu, Nicolae Ghiban, Nicolae Faur, Brandusa Ghiban, Otilia Gombos, Angela Codruta Podariu : **Durability Evaluation of Complete Dentures Realized with "Eclipse Prosthetic Resin System"** MATERIALE PLASTICE ♦ 47♦ Nr. 4 ♦ 2010, pp.457-460, ISSN 1582-2214 FI(0)
20. Lavinia Ardelean, Cristina Maria Bortun, Marilena Motoc, Laura Rusu: **Alternative Technologies for Dentures Manufacturing using Different Types of Resins**, MATERIALE PLASTICE ♦ 47♦ Nr. 4 ♦ 2010 pp:433-435, ISSN 1582-2214 FI(0)
21. Cernescu Anghel, Faur, Nicolae, Bortun Cristina, Bolos Otilia: **Fracture strength evaluation of complete denture based on FEM analysis and fracture mechanics concepts**, Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium, Vol.21, no.1, ISSN 1726-9679, ISBN 978-3-901509-73-5, Ed. B. Katalinic, published by DAAAM International Viena, Austria, EU 2010, 0839-0840
22. Ghiban Alexandru, Bortun Cristina Maria, Ghiban Brandusa, Ghiban Nicolae, Moldovan Petru: **Laser quality of dental austenitic stainless steel**, Annals of DAAAM for 2010 & proceedings of the 21st International DAAAM Symposium, Vol.21, no.1, ISSN 1726-9679, ISBN 978-3-901509-73-5, Ed. B. Katalinic, published by DAAAM International Viena, Austria, EU 2010, 0871-0872
23. Nicolae Ghiban, Cristina Maria Bortun, Ilare Bordeasu, Brândusa Ghiban, Nicolae Faur, Anghel Cernescu, Stela Carmen Hanganu: **Evaluation of Mechanical Properties by Stereo-and Scanning Electron Microscopy of Some Heat Curing Dental Resins**, MATERIALE PLASTICE 47, Nr. 2, 2010, pp. 240-243, ISSN 0025/5289 FI(0)
24. Nicolae Faur, Cristina Bortun, Liviu Marşavina, Anghel Cernescu, Otilia Gombos: **Durability studies for complete dentures**, Proceedings of the 8th International Conference on Fracture and Damage Mechanics, FDM, 8-10 September 2009, Malta, Ed. Ttp TRANS TECH PUBLICATIONS LTD Switzerland UK USA, ISBN 0-87849-315-8, ISBN – 13978-0-87849-315-9, Key Engineering Materials. Vol. 417-418(2010), pp. 725-728, [http://www.Scientific.Net.FI\(0,224\)](http://www.Scientific.Net.FI(0,224)).
25. Lavinia Ardelean, Lucien Reclaru, Cristina Maria Bortun, Brandusa Ghiban, Laura Rusu: **New aspects concerning Co-Cr alloys**, Metalurgia International vol. XV (2010), NO. 9, pp:31-36, ISSN 1582-2214 FI(0)
26. B.Ghiban, N. Ghiban, A. Ghiban, C.M.Bortun: **Fracture behavior of some heat curing dental resins**, Proceeding of the International Conference on Biodental Engineering, Porto, Portugal, 26-27 june 2009 editor: Natal Jorge et. All., CRC Press Taylor&Francis Group London, pp.35-40, publicat in 2010, ISBN 978-0-415-57394-8
27. C. Bortun, N. Faur, A. Cernescu, L. Sandu: **Experimental assessment by finite elements method of the residual stress state and of the heat flow from the laser weldings of the alloys of CoCrMo used in RPD (removable partial dentures) technology**. Key Engineering Materials vol 399, 185-191, 2009, ISSN 1013-9826, FI(0,224)
28. Cristina Bortun, Florica Glavan, Brandusa Ghiban, Sorin Porojan, Nicolae Ghiban, Liliana Sandu, Otilia Gombos, S. Epure: **Structural aspects concerning welding orthodontic rings and wires**, Metalurgia International, Edit. Stiintifica F.M.R. 2009, vol. XIV, no. 7, pp.54-58, ISSN 1582-2214.
29. Cristina Bortun, Brandusa Ghiban, Liliana Sandu, Ghiban Nicolae: **Optimization of dental alloys type CoCrMo laser welding by heat treatments**, Metalurgia International, Edit. Stiintifica F.M.R. 2009, vol. XIV, no. 1, pp.20-26, ISSN 1582-2214. FI(0,3)
30. Ghiban Brandusa, Cristina Bortun, Faur Nicolae, Ghiban Nicolae, Cernescu Anghel, Ghiban Alexandru, Serban Nicolae: **Mechanical behaviour of composite resins for dental applications**, ID:1030, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, vol. 20, No.1, ISSN 1726-9679; ISBN 978-3-901509-70-4, Editor B. Katalinic, published by DAAAM International, Vienna, Austria, EU, 2009, 0773
31. Ghiban Alexandru, Cristina Maria Bortun, Brandusa Ghiban, Nicolae Ghiban, Moldovan Petru: **Methods for studying structural features of some dental cobalt alloys in welded state**, ID:1032, Annals of DAAAM for 2009 & Proceedings of the 20th International DAAAM Symposium, vol. 20, No.1, ISSN 1726-9679; ISBN 978-3-901509-70-4, Editor B. Katalinic, published by DAAAM International, Vienna, Austria, EU, 2009, 0777
32. Liliana Sandu, Cristina Bortun, Florin Topala and Sorin Porojan: **Interlock Precision Millings In Combined Dentures Technology**, Environmental, Health and Humanity Issues in the Down Danubian Region, Multidisciplinary Approaches, 77-85, ISBN 13 978-981-283-439-3,.
33. Cristina Bortun, Brandusa Ghiban, Liliana Sandu, N. Faur, N. Ghiban, A. Cernescu: **Investigatii structurale asupra comportarii mecanice a doua rasini acrilice dentare, Materiale plastice**, MPLAAM 45(4)2008, pp362-366, ISSN 0025/5289 FI(0,873)
34. Lavinia Ardelean, Cristina Bortun, Marilena Motoc, Laura Rusu, A.Motoc: **Erori consecutive turnarii protezelor totale din rasini acrilice, Materiale Plastice**, MPLAAM 45(2)2008, pp: 214-216, ISSN 0025/5289; FI(0,873)
35. Sandu Liliana, Faur N., Cristina Bortun: **Finite element analysis and fatigue behavior of cast circumferential clasps**, The Journal of Prosthetic Dentistry, vol 97, nr.1, 2007 pg. 39-44, PMID: 17280890 [PubMed - indexed for MEDLINE] FI(0,1,139)
36. Lavinia Ardelean, Cristina Bortun, Marilena Motoc: **Metal-free removable partial dentures made of a thermoplastic acetal resin and two polyamide resins**, Revista Materiale Plastice, vol. 44, nr. 4, pg. 345-348, Revista cotata ISI, factor de impact 0.319, inclusa in

Chemical Abstracts, Current Contents, included in Embase/Excerpta Medica, IndMed, INDSOC, Ulrich's Periodicals Directory, 2007, ISSN 0025-5289; FI(0,873)

37. Sandu Liliana, Faur N., Cristina Bortun, S. Porojan: **Finite element analysis of thermal stresses in circumferential cast clasps of removable partial dentures** Advanced Materials Research, vol. 23 (2007), pg 229-232, on line [http: www.scientific.net](http://www.scientific.net). Trans Tech Publications, Switzerland
38. Sandu, L; Faur, N; Bortun, C: [Thermal stress and displacement analysis of cast clasps using the finite element method](#), Conference Information: European-Federation-for-Medical-Informatics Special Topic Conference, Date: APR 06-08, 2006 Timisoara ROMANIA, Source: Integrating Biomedical Information: From E-Cell To E-Patient, Pages:182-184, Published: 2006, Times Cited: 0