

Europass Curriculum Vitae



Personal information

First name(s) / Surname(s)

Address(es)

Telephone(s)

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E-mail

Nationality

Date of birth

Gender

Cristina Maria Borțun

CORIOLAN BĂRAN Street No 7, TIMIȘOARA 300238, ROMÂNIA

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CRISTINABORTUN@YAHOO.COM; cristinabortun@gmail.com

Romanian

30th December 1951

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;



- 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 Medicinei 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 Project 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,

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.

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

2013-2016 **Dean** of Faculty of Dentistry Timișoara
 2012-2013 **Prodean** of Faculty of Dentistry Timișoara
 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, 2009.... 2015, 2016.

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, ARACIS evaluator

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

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>
6. 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/>
7. 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 Brandusa, 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 influenta 2012este de 0,103 ISSN: 1454 - 4164 OCLC60616798 <http://inoe.inoe.ro/foam/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 / 5289 impact factor 0.379, scor infl 0.036/2012, <http://www.revmaterialeplastice.ro/>
3. Sorin Mihail, Cristina Bortun, Emanuel Bratu: **Nano-ceramic Particle Reinforced Composite -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 / 5289 impact factor 0.379, scor infl 0.036/2012.

2012

1. 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.
2. Gaman S., Bortun CM, Mercut 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.
3. 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.
4. 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.
5. 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/ ISI, Materials Science, Multidisciplinary, ISSN 0025 / 5289, www.revmaterialeplastice.ro
6. 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/ ISI, Materials Science, Multidisciplinary, ISSN 0025 / 5289, www.revmaterialeplastice.ro
7. 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

1. 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
2. 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>.
3. 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/>
4. **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)
5. Nicolae Faur, Cristina Bortun, Liviu Marșavina, 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. Tip 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)).
6. 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)
7. 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
8. 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)
9. 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.
10. 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)
11. 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
12. 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
13. 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.
14. 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)

15. 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)
16. 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)
17. 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, Curent Contents, inclusa in Embase/Excerpta Medica, IndMed, INDSOC, Ulric's Periodicals Directory, 2007, ISSN 0025-5289; FI(0,873)
18. 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>. Trans Tech Publications, Switzerland
19. 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 Timiacoara ROMANIA, Source: Integrating Biomedical Information: From E-Cell To E-Patient, Pages:182-184, Published: 2006, Times Cited: 0

