



Curriculum vitae

Europass



Personal information

Name / Surname

Address

Telephone

E-mail

Citizenship

Porojan Sorin

6 Socrate Str., Timișoara, România

0744356180

porojan_sorin@yahoo.com, porojan.sorin@umft.ro

Romanian

Date of birth

Sex

17.09.1979

Male

Actual place of work / occupational area

Assoc. Prof. Dr. at the University of Medicine and Pharmacy "Victor Babeș" Timișoara, Faculty of Dentistry, Dental Technology Specialization, Oral Rehabilitation Department, 1989 Revoluției Blv no. 9, 300041 Timișoara, Romania

Professional experience

Period

Occupation or position held

The main activities and responsibilities

Name and address of employer

Type of business or sector

Period

Occupation or position held

The main activities and responsibilities

Name and address of employer

Type or sector of activity

Period

Occupation or position held

The main activities and responsibilities

Name and address of employer

The main activities and responsibilities

Period

Occupation or position held

The main activities and responsibilities

Name and address of employer

The main activities and responsibilities

Period

Occupation or position held

The main activities and responsibilities

Name and address of employer

The main activities and responsibilities

2005 -2006

Intern

Medical activity

Timișoara County Emergency Clinical Hospital, Bd. Iosif Bulbuca No. 10, Code 300736, Timișoara, Romania

Medical

2006-2009

Junior Assistant Professor

Teaching, research, scientific

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Dentistry, Dental Technology Specialization, B-dul Revoluției from 1989 no. 9, 300041 Timișoara, Romania

Education

2009-2013

Assistant Professor

Teaching, research, scientific

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Dentistry, Dental Technical Specialization, B-dul Revoluției from 1989 no. 9, 300041 Timișoara, Romania

Teaching, research, scientific

2013-2016

Lecturer

Teaching, research, scientific

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Dentistry, Dental Technical Specialization, B-dul Revoluției from 1989 no. 9, 300041 Timișoara, Romania

Teaching, research, scientific

2016- present

Associate Professor

Teaching, research, scientific

„Victor Babeș” University of Medicine and Pharmacy Timișoara, Faculty of Dentistry, Dental Technology Specialization, B-dul Revoluției from 1989 no. 9, 300041 Timișoara, Romania

Teaching, research, scientific

Education and training

Period

Qualification / diploma obtained

1994-1998

Baccalaureate diploma

Main fields studied / skills acquired Theoretical highschool
 Name and type of educational „M. Eminescu” highschool Bucharest
 institution / Training provider
 Period 1998-2004
 Qualification, diploma obtained Dentist
 Main fields studied / skills acquired dental medicine
 Name and type of educational "Titu Maiorescu" Independent University of Bucharest, Faculty of Dentistry
 institution /
 Trading provider
 Period 2006-2007.
 Qualification, diploma obtained Postgraduate pedagogy course for teachers module 1
 Main fields studied / skills acquired Pedagogy, psychology
 Name and type of educational West University of Timisoara
 institution /
 Trading provider
 Period 2006-2009
 Main fields studied / skills acquired dento-alveolar surgery Diploma in dento-alveolar surgery
 Qualification, diploma obtained
 Qualification, diploma obtained Diploma in dento-alveolar surgery
 Name and type of educational "Victor Babeş” University of Medicine and Pharmacy Timișoara,
 institution / training provider
 Period 2006-2010
 Qualification, diploma obtained Doctor in dental medicine
 Main fields studied / skills acquired Modern processes for welding base metal alloys used in dental prosthesis technology
 Qualification, diploma obtained
 Name and type of educational "Victor Babeş” University of Medicine and Pharmacy Timișoara,
 institution / Training provider
 Period 2013-
 Qualification, diploma obtained Diploma of specialist in dental prosthetics
 Main fields studied / skills acquired Prosthetic dentistry
 Qualification, diploma obtained
 Name and type of educational "Victor Babeş” University of Medicine and Pharmacy Timișoara,
 institution /
 Trading provider
 Period 2015-2016
 Qualification, diploma obtained Postgraduate pedagogy course for teachers module 2
 Main fields studied / skills acquired Pedagogy, psychology
 Name and type of educational West University of Timisoara
 institution /
 Trading provider

Personal skills and competence

Foreign languages
 Autoevaluation
European level ()*
english

English

Comprehension

Listening skills	Reading skills
C Independent user	C Advanced user
1	1

Spoken

Interaction	Expression
C Independent user	C Independent user
1	1

Written

C Advanced user
1

(*) *Cadrului european de referință pentru limbi*

Competences and social abilities

Participation in 6 research project teams.

Technical skills and competences

- Experience in research project management
- CNCSIS research project director type TD, 319/2007: Modern processes for welding non-noble alloys used in dental prosthesis technology
- Participation in research teams in 4 projects
- Member of the CNCSIS grant research team - type AT, 171/2007: Experimental research on modern welding processes and evaluation of non-noble alloys used in dental prosthetics.
- Member of the PNII grant research team type IDEI ID_1264, contract no. 200 / 01.10.2007: Implementation and evaluation of computerized procedures in dental prosthesis technology.
- Member of the PNII grant research team type ID_1878, Experimental and analytical evaluation of the durability of materials and dental prostheses based on tensile strength and crack propagation speed.

- Member of the PNII project research team type TE_217, contract no. 102 / 12.08.2010: Applied research on the effect of skeleton design on the accuracy and reliability of fixed dentures.
- Member of the project research team PN-II-RU-TE-2014-4-0476, contract no. 182 / 01.10.2015: Biomechanical aspects regarding fracture prediction and fatigue reliability of fixed dental prosthetic restorations.

Technical skills and competences Experience in the technology of fixed, mobilizable and composite dentures
Microsoft Office, Power Point, Photoshop, Corel Draw
Computer modeling and graphics, technical skills

The fields of scientific research are focused on:

- modern processes for welding dental alloys in a shielding gas medium: laser welding, microplasma welding (experimental studies on the determination of welding parameters, non-destructive and destructive analyzes),
- structural aspects of non-noble dental alloys,
- numerical simulations (finite element analysis).
- operation of CAD / CAM systems
- ceramic systems

The dissemination of the research results was achieved by:

- 4 published books;
- over 100 scientific papers published in extenso (ISI BDI)
- over 130 papers published as abstracts;
- over 150 papers communicated at scientific events.

Participation in 6 research projects won through national competition, 1 as project director, and 5 as a member of the research team.

Participation in over 70 congresses and symposia.

Participation in 7 courses and training programs.

Skills and knowledge of computer use Yes
Driving license B category
Additional information Other references can be provided on request

LIST OF PUBLICATIONS
ASSOC PROF. DR. Sorin Daniel POROJAN
2017-2021

books

1. Porojan Liliana, Savencu Cristina, Vasiliu Roxana, Porojan Sorin, Topală Florin, Tehnologii computerizate în protetica dentară, Ed. Eurobit, Timișoara, 2020, ISBN 978-973-132-641-2

Articles published in ISI Journals

2. Porojan, L.; Vasiliu, R.-D.; Porojan, S.-D.; Birdeanu, M.-I. Surface Quality Evaluation of Removable Thermoplastic Dental Appliances Related to Staining Beverages and Cleaning Agents. *Polymers* 2020, *12*, 1736
3. Porojan, L.; Vasiliu, R.-D.; Birdeanu, M.-I.; Porojan, S.-D. Surface Characterization and Optical Properties of Reinforced Dental Glass-Ceramics Related to Artificial Aging. *Molecules* 2020, *25*, 3407.
4. Vasiliu Roxana Diana, Porojan Sorin Daniel, Birdeanu Mihaela Ionela, Uțu Ion Dragoș, Porojan Liliana, The Effect of Thermocycling and Surface Treatments on the Surface Roughness and Microhardness of Three Heat-Pressed Ceramics Systems, *Crystals*, 2020, *10*(3), 160. doi:10.3390/cryst10030160, Accession Number: WOS:000523512100020, ISSN: 2073-4352
5. Vasiliu Roxana Diana, Porojan Sorin Daniel, Birdeanu Mihaela Ionela, Porojan Liliana, Effect of Thermocycling, Surface Treatments and Microstructure on the Optical Properties and Roughness of CAD-CAM and Heat-Pressed Glass Ceramics, *Materials*, 2020, *13*(2), 381, Accession Number: WOS:000515499900128, eISSN: 1996-1944 IF 3.057/2019
6. Porojan Liliana, Birdeanu Mihaela, Porojan Sorin, Multidisciplinary Approach on the Corrosion Behavior of Welded Nickel-free and Nickel-containing Stainless Steel Orthodontic Wires, *REVISTA DE CHIMIE* Volume: 70 Issue: 7 Pages: 2447-2451 Published: JUL 2019, Accession Number: WOS:000485843500032 ISSN: 0034-7752
7. Vasiliu Roxana-Diana, Porojan Sorin, Porojan Liliana, The Influence of Oral Environment on the Optical Properties of Heat-pressed Ceramics, *MATERIALE PLASTICE* Volume: 56 Issue: 1 Pages: 271-276 Published: MAR 2019, Accession Number: WOS:000464604100053 ISSN: 0025-5289
8. Savencu, Cristina Elena; Porojan, Sorin; Porojan, Liliana, Analysis of Internal and Marginal fit of Metal-ceramic Crowns During Processing, Using Conventional and Digitized Technologies, *REVISTA DE CHIMIE* Volume: 69 Issue: 7 Pages: 1699-1701 Published: JUL 2018, Accession Number: WOS:000444595700020, ISSN: 0034-7752

9. Iliescu, Alexandru Andrei; Perlea, Paula; Suci, Ioana; Porojan, Sorin Daniel; Porojan, Liliana; Gheorghiu, Irina; Earar, Kamel, Thermographic analysis of burs and bone heating developed during osteotomy for dental implant placement: an in vitro study, ROMANIAN BIOTECHNOLOGICAL LETTERS, 2018, Volume: 23 Issue: 2 Pages: 13487-13495, Accession Number: WOS:000431317900014, ISSN: 1224-5984,
10. Liliana, Porojan; Elena, Savencu Cristina; Virgil, Costea Liviu; Laurentiu, Dan Mircea; Daniel, Daniel, Porojan Sorin, Corrosion Behavior of Ni-Cr Dental Casting Alloys, INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE Volume: 13 Issue: 1 Pages: 410-423 DOI: 10.20964/2018.01.08 Published: JAN 2018, Accession Number: WOS:000428965800034, ISSN: 1452-3981
11. Porojan, Liliana; Birdeanu, Mihaela; Savencu, Cristina; Porojan, Sorin, Surface Characteristics and Corrosion Properties of Co-Cr Dental Alloys Processed by Laser-based Methods, REVISTA DE CHIMIE Volume: 68 Issue: 11 Pages: 2538-2541 Published: NOV 2017, Accession Number: WOS:000416751800014, ISSN: 0034-7752
12. Porojan, Liliana; Topala, Florin; Porojan, Sorin; Savencu, Cristina, Effect of frame design and veneering material on biomechanical behavior of zirconia dental crowns veneered with overpressing ceramics, DENTAL MATERIALS JOURNAL Volume: 36 Issue: 3 Pages: 275-281 DOI: 10.4012/dmj.2016-096 Published: JUN 2017, Accession Number: WOS:000406729500005, PubMed ID: 28154316, ISSN: 0287-4547

Articles published in BDI Journals

1. Porojan Liliana, Birdeanu Mihaela, Savencu Cristina, Porojan Sorin, Characterization of Dental Metal-Ceramic Interfaces of Heat Pressed Ceramics on Co-Cr Frameworks Obtained with Different Technologies, Applied Mechanics and Materials, 2018, 876, 25–30, ISSN 1662-7482 doi:10.4028/www.scientific.net/amm.876.25,
2. Porojan, L., Porojan, S., Topală, F. Prediction of the Biomechanical Behavior of All-Ceramic Dental Restorations after Cyclic Loading using FEA, (2018) IOP Conference Series: Materials Science and Engineering, 416 (1), art. no. 012070, ISSN:1757-8981E-ISSN:1757-899X,DOI:10.1088/1757-899X/416/1/012070
3. Porojan, L., Rusu, L., Boloş, A., Savencu, C., Porojan, S. Fracture Behavior of Monolithic Hot-Pressed Posterior Ceramic Dental Crowns (2018) IOP Conference Series: Materials Science and Engineering, 416 (1), art. no. 012078, ISSN:1757-8981E-ISSN:1757-899X DOI: 10.1088/1757-899X/416/1/012078
4. Porojan Liliana, Porojan Sorin, Rusu Lucian, Boloş Adrian, Savencu Cristina, Antoniac Aurora, Gradinaru Sebastian, Experimental evaluation of fracture pattern in bilayered all-ceramic molar crowns, Defect and Diffusion Forum, 2017, Vol. 376, pp. 101-110, ISSN: 1662-9507 DOI: 10.4028/www.scientific.net/DDF.376.101,
5. Savencu, C.E., Porojan, L., Birdeanu, M., Boloş, A., Porojan, S., Antoniac, A., Gradinaru, S. Surface characteristics of base metal dental alloys processed by alternative procedures (2017) Defect and Diffusion Forum, 376, pp. 1-11. ISSN: 1662-9507 DOI: 10.4028/www.scientific.net/DDF.376.1

ISI proceedings

1. Porojan, Liliana; Savencu, Cristina; Bolos, Adrain; Rusu, Lucian; Porojan, Sorin, Mechanical approach of metal-ceramic crowns obtained with laser-based additive manufacturing methods, Edited by: Todea DC; Podoleanu AG; Duma VF, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE Book Series: Proceedings of SPIE Volume: 10831 Article Number: UNSP 1083107 DOI: 10.1117/12.2280228 Published: 2018, Accession Number: WOS:000453614200004, Conference Title: 7th Romanian-Society-for-Laser-in-Dentistry (SRLS) International Conference on Lasers in Medicine / 1st Congress of Laser in Dentistry, Conference Date: JUL 13-15, 2017, Conference Location: Timisoara, ROMANIA, Conference Sponsors: Romanian Soc Lasers Dent, Univ Med & Pharmacy Victor Babes Timisoara, ISSN: 0277-786X, eISSN: 1996-756X, ISBN: 978-1-5106-2288-3
2. Savencu, Cristina E.; Birdeanu, Mihaela; Porojan, Sorin D.; Porojan, Liliana, Corrosion behavior of dental alloys-processed by laser-based additive manufacturing procedures, Edited by: Todea DC; Podoleanu AG; Duma VF, SEVENTH INTERNATIONAL CONFERENCE ON LASERS IN MEDICINE Book Series: Proceedings of SPIE Volume: 10831 Article Number: UNSP 1083108 DOI: 10.1117/12.2280250 Published: 2018 Accession Number: WOS:000453614200005, Conference Title: 7th Romanian-Society-for-Laser-in-Dentistry (SRLS) International Conference on Lasers in Medicine / 1st Congress of Laser in Dentistry, Conference Date: JUL 13-15, 2017, Conference Location: Timisoara, ROMANIA, Conference Sponsors: Romanian Soc Lasers Dent, Univ Med & Pharmacy Victor Babes Timisoara, ISSN: 0277-786X, eISSN: 1996-756X, ISBN: 978-1-5106-2288-3
3. Porojan, Liliana; Topala, Florin, Failure analysis of various monolithic posterior aesthetic dental crowns using finite element method, Book Group IOP, 6TH INTERNATIONAL CONFERENCE ON MANUFACTURING ENGINEERING AND PROCESS (ICMEP 2017) Book Series: Journal of Physics Conference Series Volume: 885 Article Number: UNSP 012003 DOI: 10.1088/1742-6596/885/1/012003 Published: 2017, Accession Number: WOS:000411394200003, Conference Title: 6th International Conference on Manufacturing Engineering and Process (ICMEP), Conference Date: MAY 27-29, 2017, Conference Location: Lisbon, Portugal, ISSN: 1742-6588
4. Porojan, Liliana; Savencu, Cristina E.; Topala, Florin I.; Porojan, Sorin D., Surface texture and hardness of dental alloys processed by alternative technologies, Book Group: IOP, 6TH INTERNATIONAL CONFERENCE ON MANUFACTURING ENGINEERING AND PROCESS (ICMEP 2017) Book Series: Journal of Physics Conference Series Volume: 885 Article Number: UNSP 012004 DOI: 10.1088/1742-6596/885/1/012004 Published: 2017, Accession Number: WOS:000411394200004, Conference Title: 6th International

Conference on Manufacturing Engineering and Process (ICMEP) Conference Date: MAY 27-29, 2017, Conference Location: Lisbon, Portugal, ISSN: 1742-6588

5. Porojan, Sorin; Birdeanu, Mihaela; Savencu, Cristina; Porojan, Liliana, Structural and morphological approach of Co-Cr dental alloys processed by alternative manufacturing technologies, Book Group: IOP, 6TH INTERNATIONAL CONFERENCE ON MANUFACTURING ENGINEERING AND PROCESS (ICMEP 2017) Book Series: Journal of Physics Conference Series Volume: 885 Article Number: UNSP 012005 DOI: 10.1088/1742-6596/885/1/012005 Published: 2017, Accession Number: WOS:000411394200005, Conference Title: 6th International Conference on Manufacturing Engineering and Process (ICMEP), Conference Date: MAY 27-29, 2017, Conference Location: Lisbon, Portugal, ISSN: 1742-6588
6. Porojan, Liliana; Porojan, Sorin; Rusu, Lucian; Bolos, Adrian; Savencu, Cristina, Experimental Analyses for The Mechanical Behavior of Pressed All-Ceramic Molar Crowns with Anatomical Design, Edited by: Amir HFA; Khiew PS, 2017 INTERNATIONAL CONFERENCE ON MECHANICAL, AERONAUTICAL AND AUTOMOTIVE ENGINEERING (ICMAA 2017) Book Series: MATEC Web of Conferences Volume: 108 Article Number: UNSP 02001 DOI: 10.1051/mateconf/201710802001 Published: 2017, Accession Number: WOS:000407748100011, Conference Title: International Conference on Mechanical, Aeronautical and Automotive Engineering (ICMAA), Conference Date: FEB 25-27, 2017, Conference Location: Malacca, MALAYSIA, ISSN: 2261-236

Abstracts published at conferences

1. Porojan Liliana, Porojan Sorin, Birdeanu Mihaela Electrochemical Behavior of Welded Stainless Steel Dental Wires 2019 Continental European and Scandinavian Divisions Meeting (Madrid, Spain) J Dent Res 98, (Spec Iss B) ISSN: 1544-0591
2. Vasiliu Roxana, Porojan Sorin, Porojan Liliana, In-vitro Comparison of Hot Pressed and Milled Feldspar Ceramic Regarding Optical Properties and Roughness 2019 Continental European and Scandinavian Divisions Meeting (Madrid, Spain) J Dent Res 98, (Spec Iss B) ISSN: 1544-0591
3. Cristina Savencu, Costela Șerban, Liliana Porojan, Evaluarea adaptării interne și marginale a coroanelor metalo-ceramice obținute prin tehnologia clasică și tehnologii alternative, CONGRESUL DE MEDICINĂ DENTARĂ CU PARTICIPARE INTERNAȚIONALĂ, ZMB, 2019. Medicine in Evolution, Volume XXV, Nr. 1 suppl, 2019 ISSN 2065-376X
4. Roxana-Diana Vasiliu, Cristina Elena Savencu, Liliana Porojan, Influența prelucrării de suprafață și a grosimii asupra proprietăților optice a ceramicii obținute prin presare, ZMB, 2019. Medicine in Evolution, Volume XXV, Nr. 1 suppl, 2019 ISSN 2065-376X
5. Porojan Liliana, Restaurările ceramice monolitice - reper în reabilitarea orală actuală, Zilele Medicinii Dentare Craiovene, 6-8 iunie 2019. Volum de rezumate 978-606-11-6914-6
6. Vasiliu Roxana Diana, Porojan Sorin, Topală Florin, Porojan Liliana, Evaluation of optical properties and roughness of milled and hot pressed lithium disicate glass ceramic after imersion in artificial saliva, Zilele medicinii dentare Craiovene, 6-8 iunie 2019. Volum de rezumate 978-606-11-6914-6
7. Porojan Liliana, Aplicații ale procedeeleor moderne de sudare în tehnica dentară, Al X-lea Congres Național Zilele Medicinii Dentare Craiovene, Craiova, 7-9 iunie 2018. Volum de rezumate 978-606-11-6439-4
8. Porojan Liliana, Savencu Cristina, Boloș Adrian, Rusu Lucian, Porojan Sorin, Particularități ale scheletelor metalice obținute prin prelucrarea computerizată a aliajelor dentare, CONGRESUL DE MEDICINĂ DENTARĂ CU PARTICIPARE INTERNAȚIONALĂ ZBS 10-12 Mai 2018, Suppl Medicine in Evolution, vol XXIV, nr. 1, 2018. ISSN 2065-376X
9. Porojan Liliana, Multidisciplinary approach on the weldability of Nickel-free and Nickel-containing stainless steel orthodontic wires, 2nd Congress of the Balkanic Association of Orthodontic Specialists, 9th Congress of the Romanian Association for Excellence in Orthodontics, Iași, 24-26 mai 2018, Abstract book, ISBN 978-606-13-4404-8
10. Porojan Liliana, Savencu Cristina, Boloș Adrian, Rusu Lucian, Porojan Sorin, Metal-ceramic crowns failures related to the framework manufacturing procedure, FDI Congress 2017, 29 August – 2 September 2017, Madrid. Free Communication, Abstract International Dental Journal 2017; 67 (Suppl. 1): 83, DOI: 10.1111/idj.12339 ISSN 0020-6539
11. Porojan Sorin, Boloș Adrian, Rusu Lucian, Savencu Cristina, Porojan Liliana, Effect of substrate on experimental failures of zirconia-based bilayered crowns, FDI Congress 2017, 29 August – 2 September 2017, Madrid. Free Communication, Abstract International Dental Journal 2017; 67 (Suppl. 1): 83, DOI: 10.1111/idj.12339 ISSN 0020-6539
12. Liliana Porojan, Lucian Rusu, Adrian Bolos, Cristina Savencu, Sorin Porojan, Assessment of the fracture behaviour of bilayered zirconia-ceramic and metal-ceramic crowns, Biomaterials and regenerative medicine, Bioremed 2017 Today' research for tomorrow medicine 5-7 october 2017, Timisoara, Abstract book, vol 1-2017, pg. 109, ISSN 2601-0372
13. Sorin Porojan, Mihaela Birdeanu, Cristina Savencu, Liliana Porojan, Topographical and quantitative evaluation of Co-Cr dental alloys roughness related to tha manufacturing technology, Biomaterials and regenerative medicine, Bioremed 2017 Today' research for tomorrow medicine 5-7 october 2017, Timisoara, Abstract book, vol 1-2017, pg. 110, ISSN 2601-0372
14. Vasiliu Roxana-Diana, Savencu Cristina, Lazău Radu, Topală Florin-Ionel, Porojan Liliana, Effect of multiple firings on the optical properties of two dental ceramics, Biomaterials and regenerative medicine, Bioremed 2017 Today' research for tomorrow medicine 5-7 october 2017, Timisoara, Abstract book, vol 1-2017, pg. 179, ISSN 2601-0372

15. Cristina Savencu, Mihaela Bîrdeanu, Sorin Porojan, Liliana Porojan, Corrosion behavior of casted and CAD/CAM milled Co-Cr dental alloys -In vitro study, Biomaterials and regenerative medicine, Bioremed 2017 Today' research for tomorrow medicine 5-7 october 2017, Timisoara, Abstract book, vol 1-2017, pg. 180, ISSN 2601-0372
16. Sorin Porojan, Mihaela Bîrdeanu, Cristina Savencu, Liliana Porojan, Caracteristici ale aliajelor de Co-Cr obținute prin tehnologii alternative de fabricație, CONGRESUL DE MEDICINĂ DENTARĂ CU PARTICIPARE INTERNAȚIONALĂ, ZMB, 2017, Suppl Medicine in Evolution, vol XXIII, nr. 1, 2017. ISSN 2065-376X
17. Porojan Liliana, Actualități și perspective ale tehnologiilor digitale în tehnica dentară, Zilele Medicinii Dentare Craiovene, 8-10 iunie 2017. ISBN 978-606-11-5928-4