

Email address: mpar@sfzg.hr

WORK EXPERIENCE

PRIVATE PRACTICE – ZAGREB, CROATIA
DOCTOR OF DENTAL MEDICINE – 01/01/2012 – 01/02/2018

UNIVERSITY OF ZAGREB, SCHOOL OF DENTAL MEDICINE – ZAGREB, CROATIA
POSTDOCTORAL RESEARCHER – 01/02/2018 – 2024

- research activities (study planning, performing experiments, statistical analysis, writing and publishing)
- teaching student courses (restorative dentistry and endodontics)
- supervising undergraduate and postgraduate students

UNIVERSITY OF ZAGREB, SCHOOL OF DENTAL MEDICINE – ZAGREB, CROATIA
ASSISTANT PROFESSOR – 2024 – CURRENT

EDUCATION AND TRAINING

01/09/2005 – 01/09/2011 Zagreb, Croatia
DOCTOR OF DENTAL MEDICINE University of Zagreb, School of dental medicine

Website www.sfzg.hr

01/09/2012 – 01/09/2017 Zagreb, Croatia
PHD University of Zagreb, School of dental medicine

Website www.sfzg.hr

LANGUAGE SKILLS

Mother tongue(s): CROATIAN
Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C2
GERMAN	A2	A2	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

SKILLS

IBM Statistical package for Sciences (SPSS) | Origin (Origin Pro 8) | Microsoft Office | Analytical skills

HONOURS AND AWARDS

2005
Stipend of the Ministry of Science and Education – Croatian Ministry of Science and Education

2007
Dean's award - best student of the generation – University of Zagreb, School of Dental Medicine

2008
Dean's award - best student of the generation – University of Zagreb, School of Dental Medicine

2009
Dean's award - best student of the generation – University of Zagreb, School of Dental Medicine

2010
Dean's award - best student of the generation – University of Zagreb, School of Dental Medicine

2008
Stipend of the city of Zagreb for undergraduate students – City of Zagreb, Croatia

2010
Rector's award for research work – University of Zagreb

2011
Special Rector's award – University of Zagreb

Stipend of the city of Zagreb for doctoral students – City of Zagreb, Croatia

2017
CED-IADR Travel Award, Oral Health Research Congress, Vienna 2017 – CED-IADR

2018
Award for best doctoral thesis – University of Zagreb, School of Dental Medicine

2019
Award for best young researcher – University of Zagreb, School of Dental Medicine

2020
Award for best young researcher – University of Zagreb, School of Dental Medicine

2021
Award for best young researcher – University of Zagreb, School of Dental Medicine

2022
Award for best young researcher – University of Zagreb, School of Dental Medicine

2023
Award for best young researcher – University of Zagreb, School of Dental Medicine

● DRIVING LICENCE

Driving Licence: B

● PUBLICATIONS

2023
Prpic V, Spehar F, Stajdohar D, Bjelica R, Cimic S, Par M. Mechanical Properties of 3D-Printed Occlusal Splint Materials. Dentistry Journal. 2023;11:199.

2023
Macan M, Marošević A, Špiljak B, Šimunović L, Par M, Marovic D, Juric-Kacunic D, Tarle Z. Proposition of New Testing Procedure for the Mechanical Properties of Bulk-Fill Materials. Materials 2023;16(13):4868.

2023
Muradbegovic A, Par M, Panduric V, Zugec P, Tauback TT, Attin T, Tarle Z, Marovic D. Water-Induced Changes in Experimental Resin Composites Functionalized with Conventional (45S5) and Customized Bioactive Glass. Journal of Functional Biomaterials. 2023;14(6):298.

2023
Serban C, Dixon J, Adam M, Par M, Ligusova A, Field J. The views of European students on the inclusion of research in undergraduate oral health professional curricula. Eur J Dent Educ. (In press)

2023
Burrer P, Par M, Feri L, Stajić M, Marovic D, Tarle Z, Attin T, Tauback TT. Effect of polymerization mode on shrinkage kinetics and degree of conversion of dual-curing bulk-fill resin composites. Clinical Oral Investigations. 2023; 27(6):3169-80.

- 2023
Kelić M, Kilić D, Kelić K, Šutej I, Par M, Peroš K, Tarle Z. The Fluoride Ion Release from Ion-Releasing Dental Materials after Surface Loading by Topical Treatment with Sodium Fluoride Gel. *Journal of Functional Biomaterials*. 2023; 14(2):102.
-
- 2023
Turjanski S, Par M, Bergman L, Soče M, Grego T, Klarić Sever E. Influence of Ionizing Radiation on Fluoride-Releasing Dental Restorative Materials. *Polymers* 2023;15(3):632.
-
- 2023
Negovetic Mandic V, Par M, Marovic D, Rakić M, Tarle Z, Klarić Sever E. Blue Laser for Polymerization of Bulk-Fill Composites: Influence on Polymerization Kinetics. *Nanomaterials* 2023;13(2):303.
-
- 2022
Stein T, Par M, Attin T, Tauböck TT. Effect of fast high-irradiance photo-polymerization of resin composites on the dentin bond strength. *Materials*. 2022;15:7467.
-
- 2022
Munir A, Marovic D, Nogueira LP, Simm R, Naemi AO, Landrø SM, Helgerud M, Zheng K, Par M, Tauböck TT, Tarle Z, Boccaccini AR, Haugen HJ. Using Copper-Doped Mesoporous Bioactive Glass Nanospheres to Impart Anti-Bacterial Properties to Dental Composites. *Pharmaceutics* 2022;14(10):2241.
-
- 2022
Par M, Plancak L, Ratkovski L, Tauböck TT, Marovic D, Attin T, Tarle Z. Improved flexural properties of experimental resin composites functionalized with a customized low-sodium bioactive glass. *Polymers* 2022;14(20):4289.
-
- 2022
Klaric N, Macan M, Par M, Tarle Z, Marovic D. Effect of rapid polymerization on water sorption and solubility of bulk-fill composites. *Acta Stomatol Croat*. 2022;56(3):235-45.
-
- 2022
Carek A, Dukaric K, Miler H, Marovic D, Tarle Z, Par M. Post-cure development of the degree of conversion and mechanical properties of dual-curing resin cements. *Polymers* 2022;14(17):3649.
-
- 2022
Par M, Burrer P, Prskalo K, Schmid S, Schubiger AL, Marovic D, Tarle Z, Attin T, Tauböck TT. Polymerization kinetics and development of polymerization shrinkage stress in rapid high-intensity light-curing. *Polymers* 2022;14(16):3296.
-
- 2022
Marovic D, Par M, Tauböck TT, Haugen HJ, Negovetic Mandic V, Wenzrich D, Burrer P, Zheng K, Attin T, Tarle Z, Boccaccini AR. Impact of copper-doped mesoporous bioactive glass nanospheres on the polymerisation kinetics and shrinkage stress of dental resin composites. *Int. J. Mol. Sci.* 2022;23:8195.
-
- 2022
Par M, Gubler A, Attin T, Tarle Z, Tarle A, Prskalo K, Tauböck TT. Effect of adhesive coating on calcium, phosphate, and fluoride release from experimental and commercial remineralizing dental restorative materials. *Sci Rep*. 2022;12:10272.
-
- 2022
Marovic D, Par M, Posavec K, Marić I, Štajdohar D, Muradbegović A, Tauböck TT, Attin T, Tarle Z. Long-term assessment of contemporary ion-releasing restorative dental materials. *Materials*. 2022;15:4042.
-
- 2022
Scepanovic D, Par M, Attin T, Tauböck TT. Marginal Adaptation of Flowable vs Sonically Activated or Preheated Resin Composites in Cervical Lesions. *J Adhes Dent*. 2022;24:247-58.
-
- 2022
Veček NN, Par M, Sever Klarić E, Miletić I, Krmek Jukić S. The Effect of a Green Smoothie on Microhardness, Profile Roughness and Color Change of Dental Restorative Materials. *Polymers* 2022;14:2067.
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- 2022
Burrer P, Attin T, Par M, Tauböck TT. Bioaktive Restaurationsmaterialien in der Zahnerhaltung. *Swiss Dent J.* 2022;132(2):122-123.
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- 2022
Marovic D, Par M, Macan M, Klarić N, Plazonić I, Tarle Z. Aging-Dependent Changes in Mechanical Properties of the New Generation of Bulk-Fill Composites. *Materials.* 2022; 15(3):902.
-
- 2022
Par M, Gubler A, Attin T, Tarle Z, Tarle A, Tauböck TT. Ion release and hydroxyapatite precipitation of resin composites functionalized with two types of bioactive glass. *J Dent.* 2022; 118:103950.
-
- 2021
Božić D, Čatović I, Badovinac A, Musić L, Par M, Sculean A. Treatment of intrabony defects with a combination of hyaluronic acid and deproteinized porcine bone mineral. *Materials.* 2021; 14(22):6795.
-
- 2021
Par M, Gubler A, Attin T, Tarle Z, Tarle A, Tauböck TT. Experimental bioactive glass-containing composites and commercial restorative materials: Anti-demineralizing protection of dentin. *Biomedicines.* 2021;9:1616.
-
- 2021
Par M, Prskalo K, Tauböck TT, Skenderovic H, Attin T, Tarle Z. Polymerization kinetics of experimental resin composites functionalized with conventional (45S5) and a customized low-sodium fluoride-containing bioactive glass. *Sci Rep.* 2021;11:21225.
-
- 2021
Burrer P, Par M, Attin T, Tauböck TT. Real-Time Feedback of the Applied Light-Curing Technique and Its Impact on Degree of Conversion of Composite Restorations—A Study with Undergraduate Dental Students. *J Pers Med.* 2021; 11(10):1012.
-
- 2021
Badovinac A, Par M, Plančak L, Balić MD, Vrazic D, Božić D, Musić L. The Impact of the COVID-19 Pandemic on Dental Education: An Online Survey of Students' Perceptions and Attitudes. *Dent J.* 2021; 9(10):116.
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- 2021
Ivanišević A, Rajić VB, Pilipović A, Par M, Ivanković H, Baraba A. Compressive Strength of Conventional Glass Ionomer Cement Modified with TiO₂ Nano-Powder and Marine-Derived HAp Micro-Powder. *Materials.* 2021; 14(17):4964.
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- 2021
Oltramare R, Par M, Mohn D, Wiedemeier DB, Attin T, Tauböck TT. Short- and Long-Term Dentin Bond Strength of Bioactive Glass-Modified Dental Adhesives. *Nanomaterials.* 2021; 11(8):1894.
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- 2021
Šutej I, Par M, Lepur D, Peroš K, Pintarić H, Alajbeg I, Vuger L. Dentists' practice and compliance with current guidelines of infective endocarditis prophylaxis - national survey study. *J Clin Exp Dent.* 2021:58054.
-
- 2021
Musić, L., Par, M., Peručić, J., Badovinac, A., Plančak, D. Puhar, I. Relationship between halitosis and periodontitis: A pilot study. *Acta Stomatol Croat.* 2021;55(2):198-206.
-
- 2021
Gamulin O, Škrabić M, Serec K, Par M, Baković M, Krajačić M, Babić SD, Šegedin N, Osmani A, Vodanović M. Possibility of human gender recognition using Raman spectra of teeth. *Molecules.* 2021;26(13):3983.
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- 2021
Par M, Gubler A, Attin T, Tarle Z, Tauböck TT. Anti-demineralizing protective effects on enamel identified in experimental and commercial restorative materials with functional fillers. *Sci Rep.* 2021;11(1):11806.
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2021
Par M, Spanovic N, Marovic D, Attin T, Tarle Z, Tauböck TT. Rapid high-intensity light-curing of bulk-fill composites: A quantitative analysis of marginal integrity. *J Dent*. 2021;103708.

2021
Burrer P, Costermani A, Par M, Attin T, Tauböck TT. Effect of varying working distances between sandblasting device and composite substrate surface on the repair bond strength. *Materials*. 2021;14(7):1621.

2021
Marovic D, Haugen HJ, Negovetic Mandic V, Par M, Zheng K, Tarle Z, Boccaccini AR. Incorporation of copper-doped mesoporous bioactive glass nanospheres in experimental dental composites: Chemical and mechanical characterization. *Materials*. 2021;14(10):2611.

2021
Marovic D, Par M, Crnadak A, Sekelja A, Negovetic Mandic V, Gamulin O, Rakić M, Tarle Z. Rapid 3 s curing: What happens in deep layers of new bulk-fill composites? *Materials*. 2021;14(3):515.

2020
Kelić K, Par M, Peroš K, Šutej I, Tarle Z. Fluoride-releasing restorative materials: The effect of a resinous coat on ion release. *Acta Stomatol Croat*. 2020;54(4):371-381.

2020
Burrer P, Dang H, Par M, Attin T, Tauböck TT. Effect of over-etching and prolonged application time of a universal adhesive on dentin bond strength. *Polymers*. 2020;12(12):2902.

2020
Tauböck TT, Par M, Attin T, Burrer P. Effectiveness of using a patient simulator with real-time feedback to improve light-curing skills of dental students. *Appl Sci*. 2020; 10(22):8269.

2020
Par M, Mohn D, Attin T, Tarle Z, Tauböck TT. Polymerization shrinkage behaviour of resin composites functionalized with unsilanized bioactive glass fillers. *Sci Rep*. 2020;10(1):15237.

2020
Par M, Marovic D, Attin T, Tarle Z, Tauböck TT. The effect of rapid high-intensity light-curing on micromechanical properties of bulk-fill and conventional resin composites. *Sci Rep*. 2020;10(1):10560.

2020
Par M, Marovic D, Attin T, Tarle Z, Tauböck TT. Effect of rapid high-intensity light-curing on polymerization shrinkage properties of conventional and bulk-fill composites. *J Dent*. 2020; 101:103448.

2020
Par M, Spanovic N, Mohn D, Attin T, Tauböck TT, Tarle Z. Curing potential of experimental resin composites filled with bioactive glass: a comparison between Bis-EMA and UDMA based resin systems. *Dent Mater*. 2020;36(6):711-723.

2020
Haugen HJ, Marovic D, Par M, Thieu MKL, Reseland JE, Johnsen GF. Bulk Fill Composites Have Similar Performance to Conventional Dental Composites. *Int J Mol Sci*. 2020;21(14):5136.

2020
Par M, Attin T, Tarle Z, Tauböck TT. A New Customized Bioactive Glass Filler to Functionalize Resin Composites: Acid-Neutralizing Capability, Degree of Conversion, and Apatite Precipitation. *J Clin Med*. 2020, 9(4), 1173.

2020
Odermatt R, Par M, Mohn D, Wiedemeier DB, Attin T, Tauböck TT. Bioactivity and physico-chemical properties of dental composites functionalized with nano- vs. micro-sized bioactive glass. *J Clin Med*. 2020, 9(3), 772.

2020
Osmani A, Par M, Škrabić M, Vodanović M, Gamulin O. Principal component regression for forensic age determination using Raman spectra of teeth. *Appl Spectrosc.* 2020;74(12):1473-1485.

2020
Vukelja J, Par M, Tarle Z, Klarić Sever E. Dentin bond strength and reliability of experimental bioactive composites. *Rad HAZU.* 2020;543(50-51):11-16.

2019
Par M, Spanovic N, Taubert TT, Attin T, Tarle Z. Degree of conversion of experimental resin composites containing bioactive glass 45S5: the effect of post-cure heating. *Sci Rep.* 2019;9(1):17245.

2019
Par M, Gamulin O, Spanovic N, Bjelovucic R, Tarle Z. The effect of excitation laser power in Raman spectroscopic measurements of the degree of conversion of resin composites. *Dent Mater.* 2019;35(9):1227-1237.

2019
Par M, Repusic I, Skenderovic H, Milat O, Spajic J, Tarle Z. The effects of extended curing time and radiant energy on microhardness and temperature rise of conventional and bulk-fill resin composites. *Clin Oral Investig.* 2019;23(10):3777-3788.

2019
Par M, Repusic I, Skenderovic H, Tarle Z. Wavelength-dependent light transmittance in resin composites: practical implications for curing units with different emission spectra. *Clin Oral Investig.* 2019;23(12):4399-4409.

2019
Par M, Spanovic N, Bjelovucic R, Marovic D, Schmalz G, Gamulin O, Tarle Z. Long-term water sorption and solubility of experimental bioactive composites based on amorphous calcium phosphate and bioactive glass. *Dent Mater J.* 2019;38(4):555-564.

2019
Bjelovucic R, Par M, Rubcic D, Marovic D, Prskalo K, Tarle Z. Antibiotic prescription in emergency dental service in Zagreb, Croatia – a retrospective cohort study. *Int Dent J.* 2019;69(4):273-280.

2019
Par M, Tarle Z. Psychoneuroimmunology of oral diseases – A review. *Stoma Edu J.* 2019;6(1):55-65.

2019
Spajic J, Par M, Milat O, Demoli N, Bjelovucic R, Prskalo K. Effects of Curing Modes on the Microhardness of Resin-modified Glass Ionomer Cements. *Acta Stomatol Croat.* 2019;53(1):37–46.

2019
Par M, Tarle Z, Hickel R, Ilie N. Mechanical properties of experimental composites containing bioactive glass after artificial aging in water and ethanol. *Clin Oral Invest.* 2019;23(6):2733-2741.

2018
Par M, Tarle Z, Hickel R, Ilie N. Dentin bond strength of experimental composites containing bioactive glass. *J Adhes Dent.* 2018;20(4):325-334.

2018
Par M, Tarle Z, Hickel R, Ilie N. Real-time curing characteristics of experimental resin composites containing amorphous calcium phosphate. *Eur J Oral Sci.* 2018;126(5):426-432.

2018
Par M, Tarle Z, Hickel R, Ilie N. Polymerization kinetics of experimental bioactive composites containing bioactive glass. *J Dent.* 2018;76:83-88.

2018
Tarle Z, Par M. Bioactive dental composite materials. Rad HAZU. 2018;533(45):83-100.

2018
Par M, Spanovic N, Bjelovucic R, Skenderovic H, Gamulin O, Tarle Z. Curing potential of experimental resin composites with systematically varying amount of bioactive glass. J Dent. 2018;75:113-120.

2018
Spanovic N, Par M, Skenderović H, Bjelovučić R, Prskalo K, Tarle Z. Real-time Temperature Monitoring During Light-Curing of Experimental Composites. Acta Stomatol Croat. 2018;52(2):87-96.

2018
Par M, Repusic I, Skenderovic H, Klaric Sever E, Marovic D, Tarle Z. Real-time Light Transmittance Monitoring for Determining Polymerization Completeness of Conventional and Bulk Fill Dental Composites. Oper Dent 2018;43(1):19-31.

2018
Spajić J, Prskalo K, Šariri K, Par M, Pandurić V, Demoli N. Dimensional changes of glass ionomers and a giomer during the setting time. Acta Stomatol Croat. 2018;52(4):298-306.

2018
Knezevic A, Zeljezic D, Kopjar N, Duarte S, Par M, Tarle Z. Toxicity of Pre-heated Composites Polymerized Directly and Through CAD/CAM Overlay. Acta Stomatol Croat. 2018;52(3):203-17.

2018
Klaric Sever E, Budimir Z, Cerovac M, Stambuk M, Par M, Negovetic Vranic D, Tarle Z. Clinical and patient reported outcomes of bleaching effectiveness. Acta Odontol Scand. 2018;76(1):30-38.

2017
Par M, Marovic D, Skenderovic H, Gamulin O, Klaric E, Tarle Z. Light transmittance and polymerization kinetics of amorphous calcium phosphate composites. Clin Oral Investig. 2017;21(4):1173-1182.

2016
Par M, Gamulin O, Marovic D, Skenderovic H, Klaric E, Tarle Z. Conversion and temperature rise of remineralizing composites reinforced with inert fillers. J Dent. 2016;48:26-33.

2016
Par M, Santic A, Gamulin O, Marovic D, Moguš-Milanković A, Tarle Z. Impedance changes during setting of amorphous calcium phosphate composites. Dent Mater. 2016;32(11):1312-1321.

2016
Par M, Lapas-Barisic M, Gamulin O, Panduric V, Spanovic N, Tarle Z. Long term degree of conversion of two bulk-fill composites. Acta Stomatol Croat. 2016;50(4):292-300.

2015
Par M, Gamulin O, Marovic D, Klaric E, Tarle Z. Raman Spectroscopic Assessment of Degree of Conversion of Bulk-Fill Resin Composites – Changes at 24 Hours Post Cure. Oper Dent. 2015;40(3):E92-E101.

2015
Klaric E, Rakic M, Sever I, Milat O, Par M, Tarle Z. Enamel and Dentin Microhardness and Chemical Composition After Experimental Light-activated Bleaching. Oper Dent. 2015;40(4):E132-41.

2014
Par M, Gamulin O, Marovic D, Klaric E, Tarle Z. Effect of temperature on post-cure polymerization of bulk-fill composites. J Dent. 2014;42(10):1255-60.

2014
Jordan A, Badovinac A, Spalj S, Par M, Slaj M, Plančak D. Factors influencing intensive care nurses' knowledge and attitudes regarding ventilator-associated pneumonia and oral care practice in intubated patients in Croatia. *Am J Infect Control*. 2014;42(10):1115-7.

2014
Par M, Badovinac A, Plančak D. Oral hygiene is an important factor for prevention of ventilator-associated pneumonia. *Acta Clin Croat*. 2014, 53(1):72-8.

2013
Klaric E, Par M, Profeta I, Kopjar N, Rozgaj R, Kasuba V, Zeljezic D, Tarle Z. Genotoxic effect of two bleaching agents on oral mucosa. *Cancer Genomics Proteomics*. 2013;10(5):209-15.

2011
Klarić E, Par M, Profeta I, Matošević D, Tarle Z. Postoperative Sensitivity after Two in-Office Bleaching Methods. *Acta Stomatol Croat*. 2011;45(2):100-9.

2024
Profeta Krznar I, Par M, Tarle Z, Meštrović S. Influence of the Bracket Material on the Post-Cure Degree of Conversion of Resin-Based Orthodontic Adhesive Systems. *Polymers*. 2024;16(3):318

2024
Par M, Steinen T, Dogan S, Walser N, Tauböck TT. Effect of sodium hypochlorite, ethylenediaminetetraacetic acid, and dual-rinse irrigation on dentin adhesion using an etch-and-rinse or self-etch approach. *Sci Rep*. 2024;14:6315.

2024
Klaric E, Vukelja Bosnic J, Par M, Tarle Z, Marovic D. One-Year Evaluation of High-Power Rapid Curing on Dentin Bond Strength. *Materials* 2024;17(10):2297.

2024
Marović D, Daničić P, Bojo G, Par M, Tarle Z. Monowave vs. Polywave Light – Curing Units: Effect on Light Transmission of Composite without Alternative Photoinitiators. *Acta Stomatol Croat*. 2024; 58(1):30-38.

2024
Marovic D, Bota M, Tarle F, Par M, Haugen HJ, Zheng K, Pavic D, Milos M, Čižmek L, Babić S, Čož-Rakovac R, Trebše P, Boccaccini AR. The influence of copper-doped mesoporous bioactive nanospheres on the temperature rise during polymerization, polymer cross-linking density, monomer release and embryotoxicity of dental composites. *Dent Mater*. 2024;40(7):1078-87.

2024
Negovetic Mandic V, Plančak L, Marovic D, Tarle Z, Trutina Gavran M, Par M. Mechanical properties of alkasite material with different curing modes and simulated aging conditions. *Materials*. 2024;17:2777.

2024
Matejić M, Babić Brčić S, Malev O, Par M, Živković I, Marcuš M, Tarle Z, Čož-Rakovac R, Marović D. Environmental implications of dental restorative materials on the zebrafish *Danio rerio*: Are dental chair drainage systems an emerging environmental threat? *Environ Toxicol Pharmacol*. 2024;110:104499.

2024
Mohn N, Par M, Gubler A, Tauböck TT. Marginal integrity of prototype bioactive glass-doped resin composites in class II cavities. *Clin Oral Investig*. 2024;28(8):430.

2024
Hatipoğlu A, Par M, Hatipoğlu FP. Comparison of degree of conversion performance of bulk-fill resin composites: A systematic review and network meta-analysis of in vitro studies. *J Dent*. 2024;149:105289.

2024
Haugen HJ, Ma Q, Linskens S, Par M, Negovetic Mandic V, Mensikova E, Nogueira LP, Tauböck TT, Attin T, Gubler A, Leeuwenburgh S, Op de Beeck M, Marovic D. 3D micro-CT and O-PTIR spectroscopy bring new understanding of the influence of filler content in dental resin composites. *Dent Mater*. 2024;40(11): 1881-1894.

2024
Marovic D, Haugen HJ, Par M, Linskens S, Mensikova E, Negovetic Mandic V, Leeuwenburgh S, Nogueira LP, Vallittu PK, Ma Q. Emerging technologies for the evaluation of spatio-temporal polymerisation changes in flowable vs. sculptable dental resin-based composites. *Dent Mater.* 2024;40(11):1895-1908.

2024
Gajski P, Par M, Tarle Z, Marovic D. Effect of Silane-Containing Adhesives on Repair Bond Strength between Fresh and Aged Composite Materials—A Pilot Study. *Materials* 2024;17:4646.

2024
Par M, Cheng L, Camilleri J, Lingström P. Applications of smart materials in minimally invasive dentistry – some research and clinical perspectives. *Dent Mater.* 2024;40(11):2008-16.

2025
Par M, Dukaric K, Marovic D, Tauböck TT, Attin T, Tarle Z. Effect of customized bioactive glass in experimental composites on dentin bond strength after 12 months of aging. *Clin Oral Investig.* 2025;29:19.

2025
Par M, Gotovac L, Horvat S, Marovic D, Tarle Z, Tauböck TT, Attin T, Ratkovski L, Panduric V. Comparing ISO 4049 and Fourier-transform infrared spectroscopy for assessing ambient light sensitivity in dental resin composites. *Sci Rep.* 2025;15:8455.

2025
Marovic D, Par M, Daničić P, Marošević A, Bojo G, Alerić M, Antić S, Puljić K, Badovinac A, Shortall AC, Tarle Z. The Role of Rapid Curing on the Interrelationship Between Temperature Rise, Light Transmission, and Polymerisation Kinetics of Bulk-Fill Composites. *Int. J. Mol. Sci.* 2025;26(6):2803.

2025
Svellenti L, Tanner M, Gubler A, Par M, Attin T, Burer P, Tauböck TT. Surface Micromorphology of Experimental Composites Doped with Bioactive Glass After Different Storage Times. *J. Funct. Biomater.* 2025;16:140.

2025
Gajski P, Par M, Haugen HJ, Hildebrand T, Zheng K, Boccaccini AR, Tarle Z, Marovic D. Long-term water immersion of dental composites based on bioactive glass. *Sci Rep.* 2025;15:18857.

2025
Profeta Krznar I, Meštrović S, Miler H, Marovic D, Tarle Z, Par M. Are Commercially Available Orthodontic Adhesive Systems Suitable for Rapid (3 s) High-Intensity Light Curing? *Appl. Sci.* 2025;15(14):7641.
