




Dr. Mahmoud Bahari

Assistant Professor

DDS, MSc in Esthetic and Restorative dentistry

Email: mbaharidds@tbzmed.ac.ir

<https://orcid.org/0000-0002-1774-7659> 

Educational and executive positions:

- Assistant Professor of Restorative and Aesthetic Department of Faculty of Dentistry in Tabriz, Iran
- Member of the Dental and Periodontal Research Center, Tabriz University of Medical Sciences, Iran
- Head of EDO Department of Restorative and Aesthetic Department of Tabriz Faculty of Dentistry, Iran

Research interests:

- Vital pulp therapy
- Dental ceramics
- Restoration of root canal treated teeth
- The beauty of tooth-colored restorative materials
- Bonding and new adhesive systems
- New sciences and methods in endodontics
- Bleaching and effects on oral health
- Interdisciplinary dental and medical treatments
- Stem cells in the reconstruction of dental and bone structures

Authored books:

- Restoration of root canal treated teeth: fundamentals and clinical techniques.

April 2017. Shayan Nemoodar Publications commissioned by Tabriz University of Medical Sciences, Iran

Scientific articles published in international indexes

- Kimyai, S., **Bahari, M.**, Abed-Kahnamouei, M., Ebrahimi-Chaharom, M.-E., Asl-Oskouei, M.-H. Effect of different application strategies of universal adhesive used for immediate and delayed dentin sealing on the microtensile bond strength of self-adhesive resin cement to dentin with and without aging. 2023, 15(3), e210
- Mohammadnia, M.S., Hemmati, S., Fasihi-Ramandi, M., **Bahari, M.** Synthesis of novel surface-modified nanohydroxyapatite containing chitosan-functionalized graphene oxide decorated with glycidyl methacrylate (GO-CS-GMA) via ATRP for biomedical application .Polymer Bulletin, 2022, 79(11), pp. 9833–9858
- Kimyai, S., Mashayekhi, Z., Mohammadi, N., **Bahari M** ...Kahnamouei, M.A., Chaharom, M.E.E. Comparison of the effect of preheating on the flexural strength of giomer and nanohybrid composite resin .Journal of Dental Research, Dental Clinics, Dental Prospects, 2022, 16(3), pp. 159–163
- Biabani-Sarand, M., **Bahari, M.**, Abed-kahnamoui, M., Ebrahimi-Chaharom, M.-E., Shahi, S. Effect of intraradicular reinforcement strategies on the fracture strength of endodontically treated anterior teeth with overflared canals .Journal of Clinical and Experimental Dentistry, 2022, 14(1), pp. 79–84
- Shahi, S., **Bahari, M.**, Samiei, M., Yavari, H., Mohammadzadeh, S. Effect of RaCe, ProTaper, and V-Taper rotary systems on dentinal crack formation during endodontic treatment: An in vitro study .Journal of Dental Research, Dental Clinics, Dental Prospects, 2021, 15(4), pp. 251–255\
- **Bahari, M.**, Kahnamoui, M.A., Chaharom, M.E.E., Kimyai, S., Sattari, Z. Effect of curing method and thermocycling on flexural strength and microhardness of a new composite resin with alkaline filler. Dental Research Journal , 2021, 18(1), pp. 96
- **Bahari, M.**, Oskoe, S.S., Chaharom, M.E.E., ...Gholizadeh, S., Davoodi, F. Effect of accelerated aging and double application on the dentin bond strength of universal adhesive system .Dental Research Journal, 2021, 18, pp. 1–7
- **Bahari, M.**, Oskoe, S.S., Chaharom, M.E.E., Molayi, N. The effects of different surface contaminators on the shear bond strength of a universal adhesive system to dentin: An

experimental study .Journal of Dental Research, Dental Clinics, Dental Prospects, 2021, 15(2), pp. 82–86

- Khosroshahi, E.S., Navimipour, E.J., Azar, F.P., Abed-Kahnamoui, M., **Bahari, M.** Influence of varying dentin and enamel layer thicknesses of nano-composite resins on color match between lithium disilicate dental ceramic and composite resins *Frontiers in Dentistry*, 2021, 18, 12
 - Mohammadi N, Alavi FN, Rikhtehgaran S, Chaharom MEE, Salari A, Kimyai S, **Bahari M.** Effect of Bleaching Method and Curing Time on the Surface Microhardness of Microhybrid Composite Resin. *Maedica (Bucur)*. 2020 Sep;15(3):359-364.
 - Ebrahimi Chaharom ME, **Bahari M**, Safyari L, Safarvand H, Shafaei H, Jafari Navimipour E, Alizadeh Oskoe P, Ajami AA, Abed Kahnamouei M. Effect of preheating on the cytotoxicity of bulk-fill composite resins. *J Dent Res Dent Clin Dent Prospects*. 2020 Winter;14(1):19-25.
 - Mohammadi N, Kimyai S, Ghavami Lahij Y, **Bahari M**, Ajami AA, Abed Kahnamouei M, Daneshpoooy M. Comparison of the effect of bleaching with 15% carbamide peroxide and 35% hydrogen peroxide on flexural strength of Cention N in selfcured and dual-cured polymerization modes. *J Dent Res Dent Clin Dent Prospects*. 2020 Spring;14(2):105-109.
-
- Ebrahimi-Chaharom, M.-E., Safyari, L., Safarvand, H., ...Abed-Kahnamouei, M., **Bahari, M.** The effect of pre-heating on monomer elution from bulk-fill resin composites. *Journal of Clinical and Experimental Dentistry*, 2020, 12(9), pp. e813–e820.
 - Daneshpoooy M, Pournaghi Azar F, Alizade Oskoe P, **Bahari M**, Asdagh S, Khosravani SR. Color agreement between try-in paste and resin cement: Effect of thickness and regions of ultra-translucent multilayered zirconia veneers. *J Dent Res Dent Clin Dent Prospects*. 2019 Winter;13(1):61-67.
 - Navimipour EJ, Ajami AA, Oskoe SS, Kahnamou MA, **Bahari M**, Ebrahimi Chaharom ME, Shojaei SM. Surface Roughness of Different Composite Resins after Application of 15% Carbamide Peroxide and Brushing with Toothpaste: An In-Vitro Study. *Front Dent*. 2019 Jan-Feb;16(1):55-61.
 - Ajami, A.-A., Rikhtegaran, S., **Bahari, M.**, Hamadanchi, S. Antibacterial activity of self-adhesive resin cements against *Streptococcus mutans* at different time intervals. *Iranian Journal of Microbiology*, 2019, 11(4), pp. 313–319.
 - **Bahari, M.**, Chaharom, M., Daneshpoooy, M., Gholizadeh, S., Pashayi, H. Effect of bleaching protocols on surface roughness and biofilm formation on silorane-based composite resin. *Dental Research Journal*, 2019, 16(4), pp. 264–270.
 - Kahnamouei, M.A., Safyari, L., Oskoe, S.S., **Bahari, M.**, Kimyai, S., Chaharom, M.E.E. Effect of relining with different composite resins on the push-out bond strength of anatomical fiber posts to root canal dentin. *Iranian Endodontic Journal*, 2019, 14(3), pp. 202–210.

- Saleh Mohammadnia, M., Hemmati, S., Ghasemi, N., **Bahari, M.** Preparation of Carboxylated Graphene Oxide/Polydimethacrylate Nanocomposites via Atom Transfer Radical Polymerization and the Mechanical Properties of Nanocomposites. *Polymer Science - Series B*, 2019, 61(3), pp. 349–360.
- **Bahari, M.**, Mohammadi, N., Kimyai, S., ... Mohammadi Torkani, M.A., Oskoe, A.S. Effect of Different Fiber Reinforcement Strategies on the Fracture Strength of Composite Resin Restored Endodontically Treated Premolars. *Pesquisa Brasileira em Odontopediatria e Clinica Integrada*, 2019, 19(1), e4465.
- Ebrahimi Chaharom, M.E., **Bahari, M.**, Rahbar, M., Golbaz, S. Effect of galardin and its solvents on the microtensile bond strength of different adhesive systems to dentin. *Pesquisa Brasileira em Odontopediatria e Clinica Integrada*, 2019, 19(1), e4438.
- **Bahari M**, Savadi-Oskoe S, Kimyai S, Savadi-Oskoe A, Abbasi F. Effects of different etching strategies on the microtensile repair bond strength of beautiful II giomer material. *J Clin Exp Dent*. 2018 Aug 1;10(8):e732-e738. doi: 10.4317/jced.54436. eCollection 2018 Aug.
- Oskoe SS, **Bahari M**, Daneshpoo M, Ajami AA, Rahbar M. Effect of Different Intraorifice Barriers and Bleaching Agents on the Fracture Resistance of Endodontically Treated Anterior Teeth. *J Endod*. 2018 Nov;44(11):1731-1735. doi: 10.1016/j.joen.2018.07.025. Epub 2018 Sep 25.
- Ebrahimi Chaharom ME, Ajami AA, **Bahari M,*** Rezazadeh H. Effect of smear layer thickness and pH of self-adhesive resin cements on the shear bond strength to dentin. *Indian J Dent Res*. 2017 Nov-Dec;28(6):681-686. doi: 10.4103/ijdr.IJDR_12_16.
- Ajami AA, **Bahari M,*** Hassanpour-Kashani A, Abed-Kahnamoui M, Savadi-Oskoe A, Azadi-Oskoe F. Shear bond strengths of composite resin and giomer to mineral trioxide aggregate at different time intervals. *J Clin Exp Dent*. 2017 Jul 1;9(7):e906-e911. doi: 10.4317/jced.53791. eCollection 2017 Jul.
- Savadi Oskoe S, **Bahari M,*** Jafari Navimipour E, Ajami AA, Ghiasvand N, Savadi Oskoe A. Factors affecting marginal integrity of class II bulk-fill composite resin restorations. *J Dent Res Dent Clin Dent Prospects*. 2017 Spring;11(2):101-109. doi: 10.15171/joddd.2017.019. Epub 2017 Jun 21.
- Samiei M, Janani M, Vahdati A, Alemzadeh Y, **Bahari M.** Scanning Electron Microscopy and Energy-Dispersive X-Ray Microanalysis of Set CEM Cement after Application of Different Bleaching Agents. *Iran Endod J*. 2017 Spring;12(2):191-195. doi: 10.22037/iej.2017.37.

- Arami S, Kimyai S, Oskoe PA, Daneshpooy M, Rikhtegaran S, **Bahari M**, Kahnamoii MA. Reparability of giomer using different mechanical surface treatments. J Clin Exp Dent. 2017 Apr 1;9(4):e520-e526. doi: 10.4317/jced.53591. eCollection 2017 Apr.
- Ebrahimi-Chaharom ME, Abed-Kahnamoui M, **Bahari M**,* Hamishehkar H, Gharouni M. Effect of different concentrations of specific inhibitor of matrix metalloproteinases on the shear bond strength of self-adhesive resin cements to dentin. J Clin Exp Dent. 2017 Mar 1;9(3):e431-e436. doi: 10.4317/jced.53486. eCollection 2017 Mar.
- **Bahari M**, Mohammadi N, Alizadeh Oskoe P, Savadi Oskoe S, Davoodi F. Effect of an extra layer of hydrophobic resin on the microleakage of CI V composite resin restorations with a universal adhesive system. J Invest Clin Dent. 2017 Aug;8(3). doi: 10.1111/jicd.12234. Epub 2016 Jul 21.
- Kimyai S. **Bahari M**. Naser-Alavi F. Behboodi S. Effect of two different tooth bleaching techniques on microhardness of giomer. J Clin Exp Dent. 2017 February 1;9(2):e249-e253.
- **Bahari M**, Savadi Oskoe S, Mohammadi N, Ebrahimi Chaharom ME, Godrati M, Savadi Oskoe A. Effect of different bleaching strategies on microhardness of a silorane-based composite resin. J Dent Res Dent Clin Dent Prospects. 2016 Fall;10(4):213-219. doi: 10.15171/joddd.2016.034.
- Oskoe SS, **Bahari M**,* Kimyai S, Asgary S, Katebi K. Push-out Bond Strength of Fiber Posts to Intraradicular Dentin Using Multimode Adhesive System. J Endod. 2016Dec;42(12):1794-1798. doi: 10.1016/j.joen.2016.08.025.
- Mohammadi N, Jafari-Navimipour E, Kimyai S, Ajami AA, **Bahari M**, Ansarin M, Ansarin M. Effect of pre-heating on the mechanical properties of silorane-based and methacrylate-based composites. J Clin Exp Dent. 2016 Oct 1;8(4):e373-e378.
- **Bahari M**,* Alizadeh Oskoe P, Savadi Oskoe S, Puralibaba F, Morsali Ahari A. Mercury release of amalgams with various silver contents after exposure to bleaching agent. J Dent Res Dent Clin Dent Prospects. 2016 Spring;10(2):118-23. doi: 10.15171/joddd.2016.019.

- Mohammadi N, **Bahari M**,* Kimyai S, Rahbani Nobar B. Effect of an Extra Hydrophobic Resin Layer on Repair Shear Bond Strength of a Silorane-Based Composite Resin. J Dent (Tehran). 2015 Dec;12(12):890-8.
- Ebrahimi-Chaharom ME, Kimyai S, Mohammadi N, Oskoe PA, Daneshpuy M, **Bahari M**.* Effect of sodium ascorbate on the bond strength of all-in-one adhesive systems to NaOCl-treated dentin. J Clin Exp Dent. 2015 Dec 1;7(5):e595-9.
- Shahi Sh, Ghasemi N, Rahimi S, Yavari HR, Janani M, Mokhtari H, **Bahari M**, and Rabbani P. The Effect of Different Mixing Methods on Working Time, Setting Time, Dimensional Changes and Film Thickness of Mineral Trioxide Aggregate and Calcium-Enriched Mixture. Iran Endod J. 2015 Fall;10(4):248-51.
- Rahimi S, Asgary S, Samiei M, **Bahari M**, Vahid Pakdel SM, Mahmoudi R. The Effect of Thickness on the Sealing Ability of CEM Cement as a Root-end Filling Material. J Dent Res Dent Clin Dent Prospects. 2015 Winter;9(1):6-10.
- Shahi SH, Ghasemi N, Rahimi S, Yavari HR, Samiei S, Janani M, **Bahari M**. The Effect of Different Mixing Methods on the pH and Solubility of Mineral Trioxide Aggregate and Calcium-Enriched Mixture. Iran Endod J. 2015;10(2):140-3.
- Shahi SH, Ghasemi N, Rahimi S, Yavari HR, Samiei S, Janani M, **Bahari M**, Moheb S. The effect of different mixing methods on the flow rate and compressive strength of mineral trioxide aggregate and calcium-enriched mixture. Iran Endod J. 2015 Winter;10(1):55-8.
- Oskoe SS, **Bahari M**,* Kimyai S, Motahhari P, Eghbal MJ, Asgary S. Shear bond strength of calcium enriched mixture cement and mineral trioxide aggregate to composite resin with two different adhesive systems. J Dent (Tehran). 2014 Nov;11(6):665-71.
- **Bahari M**, Oskoe SS, Kimyai S, Mohammadi N, and Saati Khosroshahi E. Effect of Light Intensity on the Degree of Conversion of Dual-cured Resin Cement at Different Depths with the use of Translucent Fiber Posts. J Dent (Tehran). 2014 May;11(3):248-55.

- **Bahari M**, Oskoee SS, Kimyai S, Puralibaba F, Farhadi F, Norouzi M. Effect of Casein Phosphopeptide-amorphous Calcium Phosphate Treatment on Microtensile Bond Strength to Carious Affected Dentin Using Two Adhesive Strategies. *J Dent Res Dent Clin Dent Prospects*. 2014 Summer;8(3):141-7.
- Lotfi M, Ghasemi N, Rahimi S, **Bahari M**, Vosoughhosseini S, Saghiri MA, Zand V. Effect of smear layer on the push-out bond strength of two endodontic biomaterials to radicular dentin. *Iran Endod J*. 2014 Winter;9(1):41-4.
- Lotfi M, Rahimi S, Ghasemi N, Vosoughhosseini S, **Bahari M**, Saghiri MA, Shahidi A. Effect of smear layer on the push-out bond strength of two different compositions of white mineral trioxide aggregate. *Iran Endod J*. 2013 Fall;8(4):157-9.
- Oskoee SS, **Bahari M**,* Kimyai S, Rikhtegaran S, Puralibaba F, Ajami H. Effect of Nd:YAG laser pulse energy on mercury vapor release from the dental amalgam. *Photomed Laser Surg*. 2013 Oct;31(10):480-5.
- Kimyai S, Oskoee SS, Mohammadi N, Rikhtegaran S, **Bahari M**, Oskoee PA, Vahedpour H. Effect of different mechanical and chemical surface treatments on the repaired bond strength of an indirect composite resin. *Lasers Med Sci*. 2015 Feb;30(2):653-9. doi: 10.1007/s10103-013-1391-5. Epub 2013 Jul 20.
- Rahimi S, Ghasemi N, Shahi S, Lotfi M, Froughreyhani M, Milani AS, **Bahari M**. Effect of blood contamination on the retention characteristics of two endodontic biomaterials in simulated furcation perforations. *J Endod*. 2013 May;39(5):697-700 .
- Mohammadi N, Savadi Oskoee S, Abed Kahn moui M, **Bahari M**,* Kimyai S, Rikhtegaran S. Effect of Er,Cr:YSGG pretreatment on bond strength of fiber posts to root canal dentin using a self-adhesive resin cement. *Lasers Med Sci*. 2013 Jan;28(1):65-9 .
- Ajami AA, Kahn moii MA, Kimyai S, Oskoee SS, Pournaghi-Azar F, **Bahari M**, Firouzmandi M. Effect of three different contamination removal methods on bond strength of a self-etching adhesive to dentin contaminated with an aluminum chloride hemostatic agent. *J Contemp Dent Pract*. 2013 Jan 1;14(1):26-33.

- Moslehifard E, Nasirpouri F, Mahboub F, Salehjou M, Ghasemzadeh S, **Bahari M**. Influence of chemical disinfection on mechanical and structural properties of type III and IV dental stones. *Advances in Applied Ceramics*. 2012; 111(8):450-458 .
- Kimyai S, Mohammadi N, Oskoe PA, Chaharom ME, **Bahari M**, Sadr A, Ahmadizenouz G. Effects of surface treatments of conventional glass-ionomer on shear bond strength to giomer. *Dent Res J (Isfahan)*. 2012 Nov;9(6):700-5 .
- Joulaei M, **Bahari M,*** Ahmadi A, Savadi Oskoe S. Effect of Different Surface Treatments on Repair Micro-shear Bond Strength of Silica- and Zirconia-filled Composite Resins. *J Dent Res Dent Clin Dent Prospects*. 2012 Fall;6(4):131-7 .
- Jafari Navimipour E, Ebrahimi Chaharom ME, Alizadeh Oskoe P, Mohammadi N, **Bahari M**, Firouzmandi M. Fracture Resistance of Endodontically-treated Maxillary Premolars Restored with Composite Resin along with Glass Fiber Insertion in Different Positions. *J Dent Res Dent Clin Dent Prospects*. 2012 Fall;6(4):125-30 .
- Oskoe SS, Oskoe PA, Navimipour EJ, Ajami AA, Ahmadi G, **Bahari M**, Pournagi Azar F. The effect of composite fiber insertion along with low-shrinkage composite resin on cuspal deflection of root-filled maxillary premolars. *J Contemp Dent Pract*. 2012 Sep-Oct;13(5):595-601 .
- Milani AS, Rahimi S, Borna Z, Jafarabadi MA, **Bahari M**, Deljavan AS. Fracture resistance of immature teeth filled with mineral trioxide aggregate or calcium-enriched mixture cement: An ex vivo study. *Dent Res J (Isfahan)*. 2012 May;9(3):299-304 .
- Oskoe SS, **Bahari M,*** Kimyai S, Navimipour EJ, Firouzmandi M. Shear bond strength of self-etching adhesive systems with different pH values to bleached and/or CPP-ACP-treated enamel. *J Adhes Dent*. 2012 Aug;14(5):447-52. doi: 10.3290/j.jad.a23316 .
- Oskoe S, Navimipour E, **Bahari M,*** Ajami A, Oskoe P, Abbasi N. Effect of composite resin contamination with powdered and unpowdered latex gloves on its shear bond strength to bovine dentin. *Oper Dent*. 2012 Sep-Oct;37(5):492-500. Epub 2012 Mar 20 .
- Ajami AA, **Bahari M,*** Oskoe SS, Kimyai S, Kahnamoui MA, Rikhtegaran S, Ghaffarian R. Effect of three different mouthrinses on microleakage of composite resin restorations with two adhesive systems after bleaching with 10% carbamide peroxide. *J Contemp Dent Pract*. 2012 Jan 1;13(1):16-22 .

- Oskoe SS, Ajami AA, Kimyai S, **Bahari M**, Rahimi S, Oskoe PA, Navimipour EJ, Solahaye Kahnamouii Sh. The effect of storage and the type of adhesive resin on microleakage of enamel margins in class V composite restorations. African Journal of Biotechnology. 2012 jan:11(5): 1220-1225.
- Shahi S, Rahimi S, Yavari HR, Samiei M, Janani M, **Bahari M**, Abdolrahimi M, Pakdel F, Aghbali A. Effects of various mixing techniques on push-out bond strengths of white mineral trioxide aggregate. J Endod. 2012 Apr;38(4):501-4 .
- Mohammadi N, Kimyai S, **Bahari M**, Pournaghi-Azar F, Mozafari A. Effect of aluminum chloride hemostatic agent on microleakage of class V composite resin restorations bonded with all-in-one adhesive. Med Oral Patol Oral Cir Bucal. 2012 Sep 1;17(5):e841-4 .
- Navimipour EJ, Oskoe SS, Oskoe PA, **Bahari M**, Rikhtegaran S, Ghojazadeh M. Effect of acid and laser etching on shear bond strength of conventional and resin-modified glass-ionomer cements to composite resin. Lasers Med Sci. 2012 Mar;27(2):305-11 .
- Oskoe SS, Kimyai S, **Bahari M**, Motahari P, Eghbal MJ, Asgary S. Comparison of shear bond strength of calcium-enriched mixture cement and mineral trioxide aggregate to composite resin. J Contemp Dent Pract. 2011 Nov 1;12(6):457-62 .
- Oskoe PA, Navimipour EJ, Oskoe SS, **Bahari M**, Pournaghiazar F. Effect of different adhesion strategies on push-out bond strength of fiber reinforced composite posts. African Journal of Biotechnology 2011 Nov: 10(76). 17593-17598.
- Mohammadi N, Abed Kahnamoui M, Ebrahimi ME, Kimyai S, **Bahari M**. Microtensile bond strength of translucent glass fiber posts to intra-radicular dentin. Journal of Dentistry TUMS, 2009 ;6(1):23-28 .