

**Resume of Seyyedeh Mahsa Sheikholeslamian**  
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**Education**

2024-current	Case Western Reserve University PhD student in Clinical and Translational Sciences
2011-2014	Shahid Beheshti University of Medical Sciences (SBMU), Tehran, Iran M.Sc, Restorative Dentistry
2003-2009	Guilan University of Medical Sciences (GUMS), Rasht, Iran D.D.S., General Dentistry

**Research experiences**

2021-2024	Tehran University of Medical Sciences, Tehran, Iran Assistant Professor <ul style="list-style-type: none"><li>Supervised 1 research thesis (see mentorship experience for details).</li><li>Corresponding author (see publications for details)</li></ul>
2014-2021	Shahid Beheshti University of Medical Sciences, Tehran, Iran Assistant Professor <ul style="list-style-type: none"><li>Supervised 10 research thesis (see mentorship experience for details).</li><li>Primary investigator at Shahid Beheshti Research Institute of Dental Sciences</li><li>Recipient of three grants in field of dental color analysis</li><li>Corresponding author (see publications for details)</li><li>Technical and Lab manager in a dental materials lab (set up various equipment; spectrophotometer, Gilmore Needle, Hardness Testing Machine, and Germinator)</li></ul>
2011-2014	Shahid Beheshti University of Medical Sciences, Tehran, Iran M.Sc student <ul style="list-style-type: none"><li>Thesis title: "Physiochemical characterization of nanohybrid MTA, cement based dental material".</li><li>Advisor: Dr. Vaghareddin Akhavan-Zanjani</li></ul>
2003-2009	Guilan University of Medical Sciences, Rasht, Iran D.D.S student <ul style="list-style-type: none"><li>Thesis title: "Comparison of manual and electric toothbrush in dental plaque removal: a clinical trial".</li><li>Advisor: Dr. Seyed Ebrahim Seyed Monir</li></ul>

**Teaching experiences**

2011-2024	Lecturer
2021-2024	Tehran University of Medical Sciences, Tehran, Iran

Course title: “Dental anatomy, Principal of indirect restoration Preparation, ceramic laminates for residency program”

2014-2021	Shahid Beheshti University of Medical Sciences, Tehran, Iran Course title: “Dental anatomy, Principal of Cavity Preparation, Dental Materials for undergraduate and residency program”
2018-2024	Kavosh Institute, Tehran, Iran Workshop: “Dental Anatomy, Finishing and Polishing of Resin Composite, Bleaching for postgraduate dentists”
2012-2020	Parseh Pioneer Dentistry Institute, Tehran, Iran Lecture title: “Diagnosis and treatment plan approaches in Restorative Dentistry, ICDAS for undergraduate and postgraduate dentist”
2011-2012	Shahid Beheshti University of Medical Sciences, Tehran, Iran Lecture title: “Dental Assistant Training in field of infection control, Restorative Dentistry, Endodontic Dentistry, Implant Dentistry for dental assistants”

#### Professional appointments

2024-Current	Case Western Reserve University, Cleveland, USA Department of population and quantitative health science, School of Medicine PhD Student
2021-2024	Tehran University of Medical Sciences, Tehran, Iran Department of restorative dentistry, dental school Assistant professor (Part Time)
2014-2021	Shahid Beheshti University of Medical Sciences, Tehran, Iran Dental Material Lab, Dental Research Center, Research Institute of Dental Sciences Researcher
2018-2021	Shahid Beheshti University of Medical Sciences, Tehran, Iran Department of restorative dentistry, dental school Assistant professor (Part Time)
2015-2018	Shahid Beheshti University of Medical Sciences, Tehran, Iran Department of restorative dentistry, dental school Assistant professor (Full time)
2014-2015	Alborz University of Medical Sciences, Tehran, Iran Department of restorative dentistry, dental school Assistant professor (Full Time)

#### Mentorship experience

M.Sc, Restorative dentistry’s thesis, Mentor

1. Thesis title: “Micro-tensile bond strength of bulk-fill composite to primary and permanent teeth with self-etch and total etch techniques”

D.D.S ‘s thesis, Mentor

2. Thesis title: “Color Stability of Resin Composites in Different Polishing Techniques Using Spectrophotometer and SEM Analysis”
3. Thesis title: “Effect of Wet and Dry Finishing and Polishing on Micro Hardness and Flexural Strength of Composite Resins”

4. Thesis title: "Effect of Wet and Dry Finishing and Polishing on Color Change and Opacity of Composite Resins"
5. Thesis title: "Resin Composite Color Stability Using Different Polishing Techniques and SEM Analysis"
6. Thesis title: "The Assessment of Color Stability in New Resin Cement"
7. Thesis title: "Antibacterial and Mechanical Properties of Conventional Glass-Ionomer Modified with Water Extracts of Propolis in Different Proportions"
8. Thesis title: "Antibacterial and Mechanical Properties of High Viscose Glass-Ionomer Modified with Water Extracts of Propolis in Different Proportions"
9. Thesis title: "The Assessment of Micro Shear Bond Strength in New Acid Etching Agent"
10. Thesis title: "The Effects of Different Light Curing Units on the Setting Time of Hydraulic Cements"
11. Thesis title: "In Vitro Cytotoxicity and Setting Time Assessment of Calcium-Enriched Mixture Cement, Retro Mineral Trioxide Aggregate and Mineral Trioxide Aggregate"

## Presentations

### Talk

2023	"NCCL :Etiology,Diagnosis and Treatment plan". Restorative Symposium at Medical Council of Iran
2023	"Temporary reestoration". <i>62<sup>th</sup> International Annual Congress of Iranian Dental Association</i>
2022	"Deep caries Managment". <i>61<sup>th</sup> International Annual Congress of Iranian Dental Association</i>
2021	"Innovative Ideas in Dental Bleaching". <i>60<sup>th</sup> International Annual Congress of Iranian Dental Association</i>
2020	"Amalgam Build up Requirements in Endodontically Treated Teeth". <i>19<sup>th</sup> Iranian Scientific Association of Prosthodontics</i>
2019	"Dentin Hypersensitivity Etiology". <i>19<sup>th</sup> Iranian Scientific Association of Restorative Dentistry</i>
2019	"Hypersensitivity Diagnosis and Treatment". <i>1<sup>th</sup> dental congress of Medical Council of Iran</i>
2017	"Dentine Hypersensitivity". <i>16<sup>th</sup> Iranian Scientific Association of Restorative Dentistry</i>
2016	"Esthetic Consideration for Temporary Restoration in Implant Dentistry". <i>16<sup>th</sup> Iranian Scientific Association of Prosthodontics</i>
2012	"Resin Bonded Bridge". <i>12<sup>th</sup> Iranian Scientific Association of Restorative Dentistry</i>
2018	"Hygroscopic expansion of bulk fill composites; A three-month report. <i>13<sup>th</sup> Iranian Association of Dental Research</i>
2018	"Periodontal challenges in healthy restorative treatment". <i>18<sup>th</sup> Iranian Scientific Association of Restorative Dentistry</i>
2016	"Photodynamic Therapy and Biofilm around Implant". <i>17<sup>th</sup> international congress of Iranian academy of periodontology</i>
2012	"Could hydroxyapatite sheet end dental caries?". <i>7<sup>th</sup> Iranian General Dentist Association</i>
2011	"Bond strength of the self adhesive cement". <i>7<sup>th</sup> Iranian Association of Dental Research</i>
2011	"Ethical Consideration for X Ray recommendation". <i>4<sup>th</sup> Iranian Association of Oral and Maxillofacial radiology</i>

## Publication

\* Indicates corresponding authorship; List of all publications can be found:

<https://scholar.google.com/citations?user=vUVlvJkAAAAJ&hl=en>

## Journal articles

1. Valian A, **Sheikh-AI-Eslamian SM**, Zolfagharzadeh F, Sadeghi Mahounak F. Spectrophotometric assessment of the color stability of composite resins polished with different techniques. *General Dentistry*. 2023 Nov-Dec;71(6):61-67. PMID: 37889246.
2. Shakiba Farahani Mojtaba Ataie, Amir Fayaz, Amir Ghasemi, **Seyedeh Mahsa Sheikh-AI-Eslamian**. Color stability of three commercial resin cements after accelerated aging. Accepted by *Journal of Conservative Dentistry*. *Journal of Conservative Dentistry*,2023;26(2)
3. Amir Ghasemi, Anoosh Mohammadzadeh, Mehdi Molaei, **Seyedeh Mahsa Sheikh-AI-Eslamian**, Mandana Karimi. Effect of Wet and Dry Finishing and Polishing Technique on Microhardness and Flexural Strength of Nanocomposite Resins. *International Journal of Dentistry*, 2023
4. S Karimkhani, P Derakhshi, P Aberoomand Azar, **SM Sheikh-AI-Eslamian**. Facile, fast, and green preparation of high-purity and quality silica nanoparticles using a handmade ball mill: comparison with the sol–gel method. *Journal of Nanostructure in Chemistry*,2023; 1-13
5. M Biria, H Torabzadeh, **SM Sheikh-AI-Eslamian**, Niloofar Rostami-Fishomi, Maede Mokhber Dezfuli. Effect of propolis aqueous extract on antimicrobial activity and flexural strength of conventional and highly viscose glass ionomer..*Shiraz E-Medical Journal*, 2022;23(2)
6. Ahmad Najafi Abrandabadi, Azam Valian, Mehdi Aghajani, **Seyedeh Mahsa Sheikh-AI-Eslamian\***, Seyed Hamzeh Aghaie Kakroudi. Thermal effect of light irradiation time on the setting time of mineral trioxide aggregate and calcium-enriched mixture cements. *General Dentistry*, 01 Nov 2021, 69(6)
7. Narges Panahandeh, Fatemeh Adinehlou, **Seyedeh Mahsa Sheikh-AI-Eslamian\***, Hassan Torabzadeh. Extract of Propolis on Resin-Modified Glass Ionomer Cement: Effect on Mechanical and Antimicrobial Properties and Dentin Bonding Strength. *International Journal of Biomaterials* 2021, Article Id 5597837
8. Maryam Iravani, Sayna Shamszadeh, Narges Panahandeh, **Seyedeh Mahsa Sheikh-AI-Eslamian**, Hassan Torabzadeh. Shade reproduction and the ability of lithium disilicate ceramics to mask dark substrates. *Restorative Dentistry & Endodontics*.2020;45(3)
9. Kasra Rahimpour, Narges Panahandeh, **Seyedeh Mahsa Sheikh-AI-Eslamian\***, Reza Mousavi, Hassan Torabzadeh. Effect of composite thickness over the fiber post on fracture resistance of endodontically treated teeth. *Giornale Italiano di Endodonzia* 2020; 34:75-78
10. Hasani ELHAM, Akbarzadeh Baghban Alireza, **Seyedeh Mahsa Sheikh-AI-Eslamian\***, Alireza Sadr. Effect of bleaching on color change of composite in chlorhexidine and coffee, *journal of Conservative Dentistry* 2019;22
11. Mohamad Maleki, **Seyedeh Mahsa Sheikh-AI-Eslamian\***, Elham Hasani, Amir Ghasemi. Comparative study on the microstructure and mechanical behavior of monolithic ceramic and laminated composite of high strength 3Y-TZP and high fracture toughness 12Ce-TZP. *Journal of Alloys and Compounds* 2019;776(3)
12. Mina Biria, Sajedeh Namaie Ghasemi, **Seyedeh Mahsa Sheikh-AI-Eslamian**, Narges Panahandeh. Effect of topical fluoride on microshear bond strength of primary enamel to composite, microhardness of enamel and its surface morphology: An in vitro study. *J Dent Res Dent Clin Dent* 2019;13(4)
13. Elham Hasani, Narges Panahandeh, Sayna Shamszadeh, Ahmad Najafi Abrandabadi, **Seyedeh Mahsa Sheikh-AI-Eslamian\***. Hygroscopic expansion of bulk fill composites: A three-month report. *Brazilian Dental Science* 2018;21(2)
14. Vagharedin Akhavan Zanjani, Kasra Tabari, **Seyedeh Mahsa Sheikh-AI-Eslamian\***, Ahmad Najafi Abrandabadi. Physiochemical Properties of Experimental Nano-hybrid MTA. *Journal of Medicine and Life* 2018; 11(1)

15. Narges Panahandeh, Hassan Torabzadeh, Hani Naderi and **Seyedeh Mahsa Sheikh-Al-Eslamian\***.Effect of water storage on flexural strength of silorane and methacrylate-based composite resins. Restorative Dentistry and Endodontics 2017;42(4)
16. **Seyedeh Mahsa Sheikh-Al-Eslamian**, Narges Panahandeh, Ahmad Najafi Abrandabadi, Elham Hasani, Hassan Torabzadeh, Amir Ghasemi.Effect of decontamination on micro-shear bond strength of silorane-based composite increments .Journal of investigative and clinical dentistry2017;8(2)
17. Nazanin Bahrololumi, Amirreza Beglou, Ahmad Najafi-Abrandabadi, Alireza Sadr, **Seyedeh-Mahsa Sheikh-Al-Eslamian**, Amir Ghasemi.Effect of water storage on ultimate tensile strength and mass changes of universal adhesives.Journal of clinical and experimental dentistry2017;9(1)
18. Tahereh Pornamazeh, Zahra Yadegari, Amir Ghasemi, **Seyedeh Mahsa Sheikh-al-Eslamian**, Shiva Shojaeian.In Vitro Cytotoxicity and Setting Time Assessment of Calcium-Enriched Mixture Cement, Retro Mineral Trioxide Aggregate and Mineral Trioxide Aggregate. Iranian Endodontic Journal 2016;12(4)
19. Vagharedin Akhavan Zanjani, **Seyedeh Mahsa Sheikh-Al-Eslamian**, Kasra Tabari. Comparison of Compressive Strength of Five Hydraulic Cements.Shahid Beheshti University Dental Journal 2016;34(3)
20. Sayna Shamszadeh, **Seyedeh Mahsa Sheikh-Al-Eslamian**, Elham Hasani, Ahmad Najafi Abrandabadi, Narges Panahandeh. Color Stability of the Bulk-Fill Composite Resins with Different Thickness in Response to Coffee/Water Immersion.International Journal of Dentistry 2016; Article ID 7186140
21. Maryam Moezzizadeh,**Seyedeh Mahsa Sheikh-Al-Eslamian**.The effect of laser irradiation on shear bond strength of GI to dentine after CPP-ACP treatment. Avicenna Journal Of Dental Reaserch 2016;8(1)
22. Ahmad Najafi Abrandabadi, **Seyedeh Mahsa Sheikh-Al-Eslamian**, Narges Panahandeh. Temperature Rise Induced by Light Curing Unit Can Shorten Enamel Acid-Etching Time. Journal of Dentistry(Tehran)2015;12(12)
23. **Seyedeh Mahsa Sheikh-Al-Eslamian**, Navid Youssefi, Seyed Ebrahim Seyed Monir, Mehdi Kadhodazadeh.Comparison of Manual and Electric Toothbrush in Dental Plaque Removal: A Clinical Trial. Avicenna Journal Of Dental Reaserch 2014;6(1)
24. Hassan Torabzadeh, Amir Ghassemi, Masoud Sanei, Sara Razmavar, **Seyedeh Mahsa Sheikh-Al-Eslamian\***.The Influence of Composite Thickness with or without Fibers on Fracture Resistance of Direct Restoration in Endodontically Treated Teeth. Iranian Endodontic Journal 2014; 9(3)

#### Under publication articles

- 1."Evaluation of nanohybrid composite resin microhardness measured in horizontal diameter" 2024,**Seyyede Mahsa Sheikh-Al-Eslamian**, Elham Hassani, Narges Panahandeh, Mehdi Badiie,ParisaHadisadeh,HassanTorabzadeh.
- 2."Assessment of Creep and Compressive Strength: Bulk-Fill versus Conventional",2014,Afroz Nakhoshtin, Narges panahandeh, Hossein Hosseini Toudeshky and **Seyedeh Mahsa Sheikh-Al-Eslamian**.
- 3."Effect of root dentin pretreatment with different concentrations of chitosan on the push-out bond strength of fiber post using a self-adhesive resin cement",2024,Faezeh Aghajani, Elham Ahmadi, **Seyedeh Mahsa Sheikh-Al-Eslamian**, Sara Valizadeh,Mohammad Javad Kharazifard
- 4."Effect of universal adhesives etching mode on shear bond strength of pulp capping materials to deep dentin",2024,Shahram Amirifar, Saba Tohidkhah, **Seyedeh Mahsa Sheikh-Al-Eslamian**, Mahdi Abbasi, Elham Ahmadi

#### Book

1. Kasra Tabari, **Seyyede Mahsa Sheikholeslamian**, etal. Art and science of Operative Dentistry, Royanpajooh, 2019
2. Kasra Tabari, **Seyyede Mahsa Sheikholeslamian**, Sogol Nejhadkarimi, etal. Handbooks of Restorative Dentistry, Tehran, Parseh Pioneer, 2016
3. Azam Valian, **Seyyede Mahsa Sheikholeslamian**. Comprehensive Restorative Dentistry, Tehran, Royanpajooh, 2015
4. Kasra Tabari, **Seyyede Mahsa Sheikholeslamian**, Sogol Nejhadkarimi, etal. Handbooks of Restorative Dentistry, Tehran, Parseh Pioneer, 2015
5. Kasra Tabari, **Seyyede Mahsa Sheikholeslamian**, Sogol Nejhadkarimi, etal. Handbooks of Restorative Dentistry, Tehran, Parseh Pioneer, 2014
6. Kasra Tabari, **Seyyede Mahsa Sheikholeslamian**, Sogol Nejhadkarimi, etal. Handbooks of Restorative Dentistry, Tehran, Parseh Pioneer, 2013
7. Kasra Tabari, **Seyyede Mahsa Sheikholeslamian**, etal. Art and science of Operative Dentistry, Royanpajooh, 2013

#### Honors and awards

2014	2 <sup>th</sup> ranked in National Restorative Dentistry Board Qualified Degree
2011-2014	Iranian Ministry of Health's Scholarship for M.Sc program
2011	77 <sup>th</sup> ranked in National postgraduate Dental Student exam
2003-2009	Iranian Ministry of Health's Scholarship for D.D.S. program