

Curriculum Vitae

Yashar Rezaei



Academic Rank: Assistant Professor

University: Tabriz University of Medical Sciences

School: Dentistry

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Education:

High School: Aluminus of Iranian National Organization for Exceptional Talents, Tabriz, Iran (1990 - 1998)

Primary Dental Degree: Doctor of Dental Surgery, School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran (1998 - 2004)

Postgraduate: Ph.D in Dental Biomaterials, Department of Dental Biomaterials, School of Dentistry, Tehran University of Medical Sciences, Tehran, Iran (2009 - 2014)

Awards & Honors

1- Best Practitioner Dentist:

Salmas, 2009

2- Best Poster:

Esmailzadeh M, Shahabi S, **Rezaei Y**, Bagheri H. Effects of Different Surface Treatments on Stainability of Ceramics, 12th International Congress of Iranian Association of Prosthodontists', 16-18 January 2013, Tehran, Iran.

3- Best Research Article:

2^{ed} Place in Dental Biomaterials Research Articles for "Synthesis, Characterization, and *in Vitro* Bioactivity of Sol-Gel-Derived SiO₂-CaO-P₂O₅-MgO-SrO Bioactive Glass" Article, 13th Annual Dental Symposium in the Memory of Martyr Ahmad Hedayat, 8 May 2014, Tehran, Iran.

4- Best Research Article:

2^{ed} Place in Dental Biomaterials Research Articles for "*In vitro* degradation and bioactivity of poly(propylene Fumerate)/bioactive glass sintered micro-sphere scaffolds for bone tissue engineering" Article, 14th Annual Dental Symposium in the Memory of Martyr Ahmad Hedayat, 14 May 2015, Tehran, Iran.

Patents

- 1- **Rezaei Y**, Shahabi S, Najafi F. Fabrication poly (propylene fumarate) for Bone Tissue Engineering Applications. Patent No.:80042, Date of Patent: 16.7.2013, registered in Iran's State Organization for Registration of Deeds and Properties.
- 2- **Rezaei Y**, Shahabi S, Moztarzadeh F. Synthesis of Sol-gel-derived SiO₂-CaO-P₂O₅-MgO-SrO Bioactive glass for Maxilofacial Bone Tissue Engineering Applications. Patent No.:80043, Date of Patent: 16.7.2013, registered in Iran's State Organization for Registration of Deeds and Properties.
- 3- **Rezaei Y**, Shahabi S. Fabrication of Poly(propylene fumarate)/Bioactive glass Nano-Composite Scaffold Microsphere Sintering for Bone Tissue Engineering Applications. Patent No.:80176, Date of Patent: 29.7.2013, registered in Iran's State Organization for Registration of Deeds and Properties.

Short Courses / Workshops

- 1- Orientation Workshop, Tehran University of Medical Sciences
- 2- Elementary Scientific Writing, Tehran University of Medical Sciences, 30 December 2009
- 3- Educational Technology Workshop, Tehran University of Medical Sciences, 16-20 January 2010
- 4- Advanced Scientific Writing, Tehran University of Medical Sciences, 1 February 2010
- 5- Workshop of Tissue Engineering in Dentistry, Shahid Beheshti University of Medical Sciences, 22-23 September 2011
- 6- “How to Write a Article” Workshop, Tehran University of Medical Sciences, 2-3 July 2012
- 7- Application of Dental Mesenchymal Stem Cells and Bone Marrow Stem Cells in Tissue Engineering, Royan Institute, 24-26 September 2012
- 8- Stem Cell Nano-Engineering and Electrospinning Workshop, Royan Institute, 27-28 October 2012
- 9- Laser-assisted Bleaching Workshop, Laer Research Center of Dentistry, Tehran University of medical Sciences, 19 September 2013

Congress Oral Presentations:

- 1- **Rezaei Y**, Bagheri H. Occupational Exposures in Dentistry, 50th Annual International Congress of Iranian Dental Association, 11-14 May 2010, Tehran, Iran.
- 2- Bagheri H, **Rezaei Y**. One Step Bondings, 50th Annual International Congress of Iranian Dental Association, 11-14 May 2010, Tehran, Iran.
- 3- Bagheri H, **Rezaei Y**. Review of Antimicrobial and Toxicity of Endodontic Sealers, 13th Annual Congress of Iranian Association of Endodontists, Mashhad, Iran.
- 4- **Rezaei Y**, Bagheri H. Marginal Microleakage of Resin-Based Restorative Materials, 10th Congress of Iranian Academy of Restorative Dentistry, 3-5 November 2010, Tehran, Iran.
- 5- **Rezaei Y**, Bagheri H. Review of Leakage and Sealing Ability of Resin-Based and Selfetching Dual-Curable Root-Canal Sealers, 2^{ed} National Congress of Iranian Dental Association (Fars Division), 17-19 November 2010, Shiraz, Iran.

- 6- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. IPS Empress All-Ceramic Crowns Fracture Rates, 10th International Congress of Iranian Association of Prosthodontists', 9-11 February 2011, Tehran, Iran.
- 7- **Rezaei Y**. Rapid Osseointegration and Surface Treatments of Titanium Dental Implants, 1st Stem Cell preparation Unit Congress, 3-4 March 2011, Farabi Eye Hospital, Tehran, Iran.
- 8- **Rezaei Y**, Bagheri H. Dental Nanocomposites, 51th Annual International Congress of Iranian Dental Association, 10-13 May 2011, Tehran, Iran.
- 9- Bagheri H, **Rezaei Y**. Repair of Composite Restorations: Techniques & Materials, 11th Congress of Iranian Academy of Restorative Dentistry, 26-28 October 2011, Tehran, Iran.
- 10- Bagheri H, **Rezaei Y**. Development of Dental Bondings, Whether Simple Methods Have Better Results? , 6th Congress of Iranian General Dentists Association, 10-13 January 2012, Tehran, Iran.
- 11- Shahabi S, Heydari S, **Rezaei Y**. Role of Bioglass Inorganic Ions in Bone Metabolism and Osteogenesis, 2^{ed} Stem Cell preparation Unit Congress, 29-30 December 2011, Farabi Eye Hospital, Tehran, Iran.
- 12- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Scaffold Design for Bone Tissue Engineering, 52th Annual International Congress of Iranian Dental Association, 8-11 May 2012, Tehran, Iran.
- 13- Shahabi S, **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Scaffold Design for Bone Tissue Engineering, 11th International Congress of Iranian Society of Oral & MaxilloFacial Surgeon, 17-19 October 2012, Tehran, Iran.
- 14- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Marginal Microleakage of Resin-Based Restorative Materials, 12th Congress of Iranian Academy of Restorative Dentistry, 24-26 October 2012, Tabriz, Iran.
- 15- Shafiei F, Bagheri H, Behroozibakhsh M, **Rezaei Y**. Leucine-Rich-Amelogenin Peptide (LRAP) Assembles as Nanosphere Chains, 7th Annual Meeting of the IADR Iranian Division, 27-28 December 2012, Tehran, Iran.
- 16- **Rezaei Y**, Shahabi S, Bagheri H. Fabrication of porous Poly(propylene fumarate)-based /Bioactive Glass Nanocomposite Scaffolds for Bone Tissue Engineering, 53th Annual International Congress of Iranian Dental Association, 14-17 May 2013, Tehran, Iran.
- 17- Esmaeilzadeh M, Shahabi S, **Rezaei Y**, Bagheri H. Osseointegrated Dental Implants and Oral Squamous Cell Carcinoma, 2^{ed} Congress of Iranian Association of Oral & Maxillofacial Pathologists, 26-28 June 2013, Tehran, Iran.

- 18- **Rezaei Y**, Shahabi S, Bagheri H. Peri-implant Osteogenesis in Osteoporosis, 2^{ed} Congress of Iranian Association of Oral & Maxillofacial Pathologists, 26-28 June 2013, Tehran, Iran.
- 19- **Rezaei Y**. Design and fabrication biocompatible scaffolds for Bone Tissue Engineering, 20th Annual Congress of Farabi Hospital, 30 April – 2 May 2014, Tehran, Iran.
- 20- **Rezaei Y**, Shahabi S. Fabrication and *in vitro* Evaluation of PPF/Bioactive Glass Composite Microsphere-based Scaffolds for Bone Tissue Engineering, 54th Annual International Congress of Iranian Dental Association, 6-9 May 2014, Tehran, Iran.
- 21- **Rezaei Y**, Savadi Oskoe S, Bahari Mahmoud, Tissue Engineering in Periodontal Tissue, The 15th Meeting of the Iranian Academy of Periodontology, 6-9 October 2015, Tehran, Iran.
- 22- **Rezaei Y**, Dr Siavash Savai Oskoe, Dr Mahmoud Bahari. Shade Compatibility of Esthetic Restorative Materials, 15th Congress of Iranian Academy of Restorative Dentistry, 10-13 November 2015, Tehran, Iran
- 23- **Rezaei Y**, Shahabi S. Design a Bioactive Composite scaffold for Bone Tissue Engineering, 56th EXCIDA International Congress in Conjunction with the 1st FDI Persian Regional and 34th ICOI World Congress, 17-20 May 2016, Tehran, Iran.

Congress Poster Presentations:

- 1- Jafarzadeh Kashi T, Bagheri H, Behroozibakhsh M, Fatemi M, **Rezaei Y**. Degree of Conversion of Nano and Micro Hybrid Resin Composites Cured by Different Light Sources. Academy of Dental Materials Annual Meeting, 7-9 October 2010, Trieste, Italy.
- 2- **Rezaei Y**, Bagheri H. Marginal Microleakage of Resin-Based Restorative Materials, 2^{ed} National Congress of Iranian Dental Association (Fars Division), 17-19 November 2010, Shiraz, Iran.
- 3- **Rezaei Y**, Bagheri H, Esmailzadeh M. Leakage and Sealing Ability of Resin Based Materials for Root Canal Obturation, 16th Scientific Meeting of Asian Pacific Endodontics Confederation & 14th Annual Congress of Iranian Association of Endodontists, 20-22 April 2011, Shiraz, Iran.
- 4- **Rezaei Y**, Bagheri H. Marginal Microleakage of Resin-Based Restorative Materials, 3rd National Congress of the Iranian Post-Graduate Dental Students, 9-10 June 2011, Tehran, Iran.

- 5- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. The Effect of Nd:YAG Laser as an Adjunct Treatment Modality in Periodontal Therapy, 2^{ed} Congress of Laser Applications in Dentistry, 18-20 October 2011, Tehran, Iran
- 6- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Laser Applications in Dentistry, 2^{ed} Congress of Laser Applications in Dentistry, 18-20 October 2011, Tehran, Iran
- 7- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. The Clinical Successful of Resin-Based Adhesive Related to the Dentin Bonding Variables, 11th Congress of Iranian Academy of Restorative Dentistry, 26-28 October 2011, Tehran, Iran.
- 8- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. The Effect of Host-derived Dentinal Matrix Metallo- Proteinases in Reducing of Resin Based Adhesives Bonding, 11th Congress of Iranian Academy of Restorative Dentistry, 26-28 October 2011, Tehran, Iran.
- 9- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Using Nanotechnology to Improve Bond Performance of Dental Adhesive System, 11th Congress of Iranian Academy of Restorative Dentistry, 26-28 October 2011, Tehran, Iran.
- 10- **Rezaei Y**, Najafi F. Synthesis of Poly(propylenefumarate) to Use in Bone Tissue Engineering, 6th Annual Meeting of the IADR Iranian Division, 29-30 December 2011, Tehran, Iran.
- 11- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Essential Factors For Successful All-Ceramic Restorations, 11th International Congress of Iranian Association of Prosthodontists', 4-6 January 2012, Tehran, Iran.
- 12- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Surface Treatments and Rapid Osseointegration of Titanium Dental Implants, 11th International Congress of Iranian Association of Prosthodontists', 4-6 January 2012, Tehran, Iran.
- 13- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. Tissue Engineering in Dentistry, 6th Congress of Iranian General Dentists Association, 10-13 January 2012, Tehran, Iran.
- 14- Shahabi S, **Rezaei Y**, Bagheri H. Application of Biodegradable and Biocompatible Hybrid Scaffolds in Maxillofacial Bone Tissue Engineering, 6th Congress of Iranian General Dentists Association, 10-13 January 2012, Tehran, Iran.
- 15- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. The Roll of Stem Cells in Periodontal Regeneration, The 11th Meeting of the Iranian Academy of Periodontology, 24-28 January 2012, Tehran, Iran.
- 16- **Rezaei Y**, Bagheri H, Esmaeilzadeh M. An Evaluation of Nanocomposites as Pit and Fissure Sealants in Child Patients, The 11th International Annual Congress of Iranian Association of Pediatric Dentistry. 11-13 July 2012, Tehran, Iran.

- 17- **Rezaei Y**, Bagheri H. Effects of Laser Irradiation on Caries Prevention, The 11th International Annual Congress of Iranian Association of Pediatric Dentistry. 11-13 July 2012, Tehran, Iran.
- 18- **Rezaei Y**. Rapid Osseointegration and Surface Treatments of Titanium Dental Implants, 4th IGDA International Comprehensive Symposium on IMPLANT. 18-20 July 2012, Tehran, Iran.
- 19- **Rezaei Y**, Bagheri H, Esmailzadeh M. IGS Navigation System Applications in Implant Surgery, 4th IGDA International Comprehensive Symposium on IMPLANT. 18-20 July 2012, Tehran, Iran.
- 20- **Rezaei Y**, Bagheri H, Esmailzadeh M. Failures of Dental Implant, 4th IGDA International Comprehensive Symposium on IMPLANT. 18-20 July 2012, Tehran, Iran.
- 21- Esmailzadeh M, **Rezaei Y**. Using Nanotechnology to Improve Bond Performance of Dental Adhesive System, 1st Iranian International Congress of Iranian Dental Biomaterials, 5-7 December 2012, Tehran, Iran.
- 22- Shahabi S, **Rezaei Y**, Najafi F. Synthesis of Polypropylene Fumarate to Use in Bone Tissue Engineering, 1st Iranian International Congress of Iranian Dental Biomaterials, 5-7 December 2012, Tehran, Iran.
- 23- Shahabi S, **Rezaei Y**, Bagheri H. Marginal Microleakage of Resin-Based Restorative Materials, 1st Iranian International Congress of Iranian Dental Biomaterials, 5-7 December 2012, Tehran, Iran.
- 24- **Rezaei Y**, Shahabi S, Bagheri H. Essential Factors for Successful All-Ceramic Restorations, 1st Iranian International Congress of Iranian Dental Biomaterials, 5-7 December 2012, Tehran, Iran.
- 25- Shahabi S, **Rezaei Y**, Bagheri H. Synthesis of Sol-Gel-Derived $\text{SiO}_2\text{-CaO-P}_2\text{O}_5\text{-MgO-SrO}$ Bioglass for Bone Tissue Engineering Applications, 7th Annual Meeting of the IADR Iranian Division, 27-28 December 2012, Tehran, Iran.
- 26- **Rezaei Y**, Shahabi S, Bagheri H. The Role of the Microstructure on the Lifetime of Dental Ceramics, 12th International Congress of Iranian Association of Prosthodontists', 16-18 January 2013, Tehran, Iran.
- 27- Esmailzadeh M, Shahabi S, **Rezaei Y**, Bagheri H. Effects of Different Surface Treatments on Stainability of Ceramics, 12th International Congress of Iranian Association of Prosthodontists', 16-18 January 2013, Tehran, Iran.
- 28- Esmailzadeh M, Shahabi S, **Rezaei Y**, Bagheri H. Complications of Zirconia based Fixed Dental Prostheses, 7th Congress of Iranian General Dentists Association, 5-8 February 2013, Tehran, Iran.

- 29- Esmailzadeh M, Shahabi S, **Rezaei Y**, Bagheri H. Effects of Different Surface Treatments on Stainability of Ceramics, 7th Congress of Iranian General Dentists Association, 5-8 February 2013, Tehran, Iran.
- 30- **Rezaei Y**, Shahabi S, Bagheri H. IPS Empress All-Ceramic Crowns Fracture Rates, 7th Congress of Iranian General Dentists Association, 5-8 February 2013, Tehran, Iran.
- 31- **Rezaei Y**, Shahabi S, Bagheri H. The Role of the Microstructure on the Lifetime of Dental Ceramics, 7th Congress of Iranian General Dentists Association, 5-8 February 2013, Tehran, Iran.
- 32- Shahabi S, **Rezaei Y**, Esmailzadeh M. Clinician's Choices of Restorative Materials for Pediatric Dentistry, The 12th International Annual Congress of Iranian Association of Pediatric Dentistry. 21-23 August 2013, Tehran, Iran.
- 33- **Rezaei Y**, Shahabi S, Bagheri H. Material Selection for Anterior Primary Teeth, The 12th International Annual Congress of Iranian Association of Pediatric Dentistry. 21-23 August 2013, Tehran, Iran.
- 34- **Rezaei Y**, Shahabi S, Bagheri H. New aspects in periodontal regenerative medicine, The 13th Meeting of the Iranian Academy of Periodontology, 30 October -1 November 2013, Tehran, Iran.
- 35- Esmailzadeh M, Shahabi S, **Rezaei Y**. Peptide-based Therapeutics in Periodontal Regeneration, The 13th Meeting of the Iranian Academy of Periodontology, 30 October -1 November 2013, Tehran, Iran.
- 36- Esmailzadeh M, Shahabi S, **Rezaei Y**. Antibacterial Effects of Bio-Active Restorative Materials, 8th Congress of Iranian General Dentists Association, 14-17 January 2014, Tehran, Iran.
- 37- Esmailzadeh M, Shahabi S, **Rezaei Y**. Comparing Leakage and Sealing Ability of Root Canal Sealers, 8th Congress of Iranian General Dentists Association, 14-17 January 2014, Tehran, Iran.
- 38- Esmailzadeh M, Shahabi S, **Rezaei Y**. Current Perspectives on Post Systems, 8th Congress of Iranian General Dentists Association, 14-17 January 2014, Tehran, Iran.
- 39- **Rezaei Y**, Shahabi S. Fabrication and *in vitro* Evaluation of PPF/Bioactive glass Composite Microsphere-based Scaffolds for Bone Tissue Engineering, 8th Congress of Iranian General Dentists Association, 14-17 January 2014, Tehran, Iran.
- 40- **Rezaei Y**, Shahabi S. Scaffold Design for Bone Tissue Engineering, 8th Congress of Iranian General Dentists Association, 14-17 January 2014, Tehran, Iran.
- 41- **Rezaei Y**, Shahabi S. Occupational Exposures in Dentistry, 8th Congress of Iranian General Dentists Association, 14-17 January 2014, Tehran, Iran.

- 42- Esmailzadeh M, **Rezaei Y**. Comparing Leakage and Sealing Ability of Root Canal Sealers, 54th Annual International Congress of Iranian Dental Association, 6-9 May 2014, Tehran, Iran.
- 43- Esmailzadeh M, **Rezaei Y**. Antibacterial Effects of Bio-Active Restorative Materials Comparing Leakage and Sealing Ability of Root Canal Sealers, 54th Annual International Congress of Iranian Dental Association, 6-9 May 2014, Tehran, Iran.
- 44- **Rezaei Y**, Shahabi S, Bagheri H. Effects of External Bleaching on Restorative Materials, 14th Congress of Iranian Academy of Restorative Dentistry, 11-14 November 2014, Tehran, Iran
- 45- **Rezaei Y**, Esmailzadeh M. Zirconium for Esthetic Rehabilitation, 14th International Congress of Iranian Association of Prosthodontists', 3-5 December 2014, Tehran, Iran.
- 46- **Rezaei Y**, Shahabi S, Esmailzadeh M. Complications of Zirconia based Fixed Dental Prostheses, 9th Congress of Iranian General Dentists Association, 13-16 January 2015, Tehran, Iran.
- 47- **Rezaei Y**, Savadi Oskoe S, Bahari Mahmoud, The Role of Stem cells in Periodontal Regeneration, The 15th Meeting of the Iranian Academy of Periodontology, 6-9 October 2015, Tehran, Iran
- 48- Esmailzadeh M, Dr Siavash Savai Oskoe, **Rezaei Y**. Clinical Considerations of Dental Nanocomposites, 15th Congress of Iranian Academy of Restorative Dentistry, 10-13 November 2015, Tehran, Iran
- 49- Esmailzadeh M, Dr Siavash Savai Oskoe, **Rezaei Y**. Prevention of Dental caries by Adding Antibacterial Agents to Composite Restorations, 16th Congress of Iranian Academy of Restorative Dentistry, 26-29 October 2016, Tehran, Iran

Researches and Articles

- 1- Shirani G, **Rezaei Y**. A randomized clinical trial of Amoxicillin versus Cephalexin in the treatment of odontogenic infections., Tehran University of Medical Sciences, July 2004.
- 2- Jafarzadeh Kashi TS, Kermanshahi RK, Erfan M, Vahid Dastjerdi E, **Rezaei Y**, Tabatabaei FS. Evaluating the in-vitro antibacterial effect of Iranian propolis on oral microorganisms. Iranian Journal of Pharmaceutical Research. 2011 Jun 19:363-8.
- 3- Kashi TJ, Behroozibakhsh M, Fatemi SM, **Rezaei Y**. Degree of conversion of nano-and micro-hybrid resin composites cured by different light sources. Dental Materials. 2010 Dec 31;26:e18-9
- 4- **Rezaei Y**, Bagheri H, Esmailzadeh M. Effects of laser irradiation on caries prevention. Journal of Lasers in Medical Sciences. 2011 Oct 1;2(4):159
- 5- **Rezaei Y**, Moztarzadeh F, Shahabi S, Tahriri M. Synthesis, Characterization, and *In Vitro* Bioactivity of Sol-Gel-Derived SiO₂-CaO-P₂O₅-MgO-SrO Bioactive Glass. Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry. 2014 May 28;44(5):692-701
- 6- Shahabi S, **Rezaei Y**, Moztarzadeh F, Najafi F. *In vitro* degradation and bioactivity of poly (propylene fumarate)/bioactive glass sintered microsphere scaffolds for bone tissue engineering. Science and Engineering of Composite Materials. 2016 May 1;23(3):245-56.
- 7- Jafarzadeh TS, Erfan M, Behroozibakhsh M, Fatemi M, Masaeli R, **Rezaei Y**, Bagheri H, Erfan Y. Evaluation of Polymerization Efficacy in Composite Resins via FT-IR Spectroscopy and Vickers Microhardness Test. Journal of Dental Research, Dental Clinics, Dental Prospects. 2015 Aug 18;9(4):226-32
- 8- Ghasemi N, Rahimi S, Shahi S, Milani AS, **Rezaei Y**, Nobakht M. Compressive Strength of Mineral Trioxide Aggregate with Propylene Glycol. Iranian Endodontic Journal. 2016 Sep 28;11(4)
- 9- Shahabi S, Fekrazad R, Johari M, Chiniforush N, **Rezaei Y**. FT-Raman spectroscopic characterization of enamel surfaces irradiated with Nd:YAG and Er:YAG lasers. Journal of Dental Research, Dental Clinics, Dental Prospects. (*Just Accepted*)

Membership

Member of **Research Center for Science and Technology in Medicine (RCSTIM)**

Member of ISIRI/TC106 Com