

CV
Dr. Parvin Alizadeh

Name: Parvin Alizadeh

Office Address: Tarbiat Modares University

Work Phone: +98 21 82884399

Work Email: p-alizadeh@modares.ac.ir

Place of Birth: IRAN

Education

1987	BS.	Chemistry	Tabriz University, Tabriz, Iran
1991	MS.	Chemistry	Sharif Tech. University, Tehran, Iran
1999	PhD.	Material Science(Ceramic Engineering)	Material & Energy Research Center, Tehran, Iran

Faculty Academic Appointments

01/99-09/04	Assistant Professor	Material	Material & Energy Research Center, Tehran, Iran
09/04-09/08	Assistant Professor	Material	Tarbiat Modares University, Tehran, Iran
09/08-09/17	Associate Professor	Material	Tarbiat Modares University, Tehran, Iran
09/17- Now	Professor	Material	Tarbiat Modares University, Tehran, Iran

Work experience

01/19-07/19 Visiting researcher

University of California, Los Angeles (Prof. A. Khademhosseini)

Publication List

Year 2020

- 1- Kiana Karimi, Parvin Alizadeh, Hamid Abdoli, Electrophoretic deposition of titanium oxide on wollastonite glass-ceramic scaffold for tissue engineering, *J. of Materials Engineering and Performance*, 29(5), 2020, 2767-2782.
- 2- M. Ghayebloo, P. Alizadeh, R. M. Melo, Fabrication of ZrO₂-bearing lithium-silicate glass-ceramics by pressureless sintering and spark plasma sintering, *J. of the Mechanical Behavior of Biomedical Materials*, 105(2020) 103709.
- 3- M. Ghatebloo, P. Alizadeh, Effect of zirconia nanoparticles on ZrO₂-bearing lithium silicate glass-ceramic composite obtained by spark plasma sintering, *J. of Mechanical Behavior of Biomedical Materials*, 105(2020) 103880.

Year 2019

- 4- Hamidreza Savabieh, Parvin Alizadeh, Behzad Nayebi, Frank Jörg Clemens, Kinetics of crystallization in 13.2Li₂O-67.6SiO₂-14.49Al₂O₃-3.3TiO₂-0.4BaO-0.97ZnO glass ceramic powder: Part I: A model-free vs. model-fitting approach, *Ceramics International*, 45(2019), 8856-8865.
- 5- Tahere Nazari Aliabadi, Parvin Alizadeh, Microstructure and dielectric properties of CCTO glass-ceramic prepared by the melt-quenching method, *Ceramics International*, 45(2019), 19316-19322.

Year 2018

- 6- Parsa Parva, Parvin Alizadeh, Miesam Riahi, Synthesis of nanostructural yttrium fluorosilicate glass ceramic via sol-gel method, *Journal of Sol-Gel Science and Technology*, 85(2018), 191-202.

Year 2017

- 7- Fakhraddin Akbari Dourbash, Parvin Alizadeh, Shahram Nazari, Alireza Farasat, A highly bioactive poly (amido amine)/70S30C bioactive glass hybrid with photoluminescent and antimicrobial properties for bone regeneration, *Materials Science and Engineering C*, 78(2017), 1135-1146.
- 8- H. Savabieh, P. Alizadeh, Y. Dasilva, R. Erni, Investigation of dielectric properties and microstructure of sintered $13.2\text{LiO}_2\text{-}67.6\text{SiO}_2\text{-}14.49\text{Al}_2\text{O}_3\text{-}3.3\text{TiO}_2\text{-}0.4\text{BaO}\text{-}0.97\text{ZnO}$ glass-ceramics, *Journal of the European Ceramic Society*, 37(2017) 631-639.
- 9- Fakhraddin Akbari Dourbash, Parvin Alizadeh, Organosilane modified bioactive glass/poly (amido amine) generation 5 hybride: Effect of solvent and synthesis route on structural properties, thermal stability and apatite formation, *Material Chemistry and Physics*, 202(2017) 104-113.

Year 2016

- 10- Neda Ghaebi Panah, Parvin Alizadeh, Bijan Eftekhari Yekta, Preparation and characterization of mesoporous electrospun $(\text{SiO}_2)_{0.59}(\text{CaO})_{0.36}\text{-}x(\text{P}_2\text{O}_5)_{0.05}(\text{TiO}_2)_x$ glasses ($x=0$ and 0.05 mol%), *Journal of Porous Materials*, 23[3], (2016) pp. 753-759.
- 11- Neda Ghaebi Panah, Parvin Alizadeh, Bijan Eftekhari Yekta, Negar Motakef-Kazemi, Preparation and in-vitro characterization of electrospun bioactive glass nanotubes as mesoporous carriers for ibuprofen, *Ceramics International*, 42[9], (2016) 10935-10942.
- 12- Seyede Sara Moosavi, Parvin Alizadeh, Effect of acid leaching time on pore diameter and volume of porous hollow glass microspheres, *Materials Letters*, 167(2016) 98-101.

- 13- M. Mohammadi, P. Alizadeh, F. J. Clemens, Effect of SiO₂ on sintering and dielectric properties of CaCu₃Ti₄O₁₂ nanofibers, *Journal of Alloys and Compounds*, 688 (2016) 270-279.
- 14- M. Mohammadi, P. Alizadeh, F. J. Clemens, Effect of using different precursors on electrospinning of CaCu₃Ti₄O₁₂, *Ceramics International*, 42 (2016) 4690-4699.
- 15- M. Nori, M. Tavoosi, P. Alizadeh, Processing and optical properties of transparent GeO₂-PbO-MgO-MgF₂ glass-ceramics, *Ceramics International*, 42[15], (2016) 17524-17529.

Year 2015

- 16- M. Mohammadi, P. Alizadeh, F. J. Clemens, Synthesis of CaCu₃Ti₄O₁₂ nanofibers by electrospinning, *Ceramics International*, 41 (2015) 13417-13424.
- 17- Maryam Kargar Razi, Reza Tayebee, Atusa Ahmadi, Parvin Alizadeh, Electrical and Thermal Properties of Glass Matrix-Al₂TiO₅ Composites Prepared at Low Temperature, *J. Chem. Soc. Pak.*, Vol. 37, No. 06 (2015) 1103-1111.
- 18- M. R. Tohidifar, P. Alizadeh, A. Aghaee, Controlling the sol–gel process of nano-crystalline lithium-mica glass-ceramic by its chemical composition and synthesis parameters, *Materials Characterization*, 99 (2015) 61-67.

Year 2014

- 19- H. Abdoli, P. Alizadeh, A. Karsten, D. Boccaccini, Fracture toughness of glass sealants for solid oxide fuel cell application, *Materials Letters*, 115 (2014) 75-78.
- 20- H. Abdoli, P. Alizadeh, A. Karsten, Fabrication and sealing performance of rare-earth containing glass-ceramic seals for intermediate temperature solid oxide fuel cell applications, *Ceramics International*, 40 (2014) 7545-7554.

21- H. Abdoli, P. Alizadeh, A. Karsten, D. Boccaccini, Effects of thermal aging on thermo-mechanical behavior of a glass sealant for solid oxide cell application, *Journal of European Ceramic Society*, 34 (2014) 2525-2534.

Year 2013

22- V. Khani, P. Alizadeh, M. Shakeri, Optical properties of transparent glass-ceramics containing lithium-mica nanocrystals: crystallization effect, *Materials Research Bulletin*, 48 (2013) 3579-3584.

23- V. Khani, P. Alizadeh, Mechanical properties of optically transparent glass-ceramics containing lithium mica nanocrystals, *Physics and Chemistry of Glasses, European Journal of Glass Science and Technology Part B*, 54 (2013) 104-108.

Year 2012

24- H. Abdoli, P. Alizadeh, Electrophoretic deposition of $(\text{Mn,Co})_3\text{O}_4$ spinel nano powder on SOFC metallic interconnects, *Materials Letters*, 80 (2012) 53-55.

25- M. R. Tohidifar, P. Alizadeh, P. Riello, Nucleation and crystallization behaviors of nano-crystalline lithium-mica glass-ceramic prepared via sol-gel method, *Materials Research Bulletin*, 47 (2012) 1374-1378.

26- M. R. Tohidifar, P. Alizadeh, P. Riello, B. Eftekhari Yekta, A. R. Aghaei, Sol-gel Preparation and Characterization of nano- crystalline Mica Glass-ceramic, *Ceramics International*, 38 (2012) 2813-2821.

27- S. Hasheminia, A. Nemati, B. Eftekhari Yekta, P. Alizadeh, Preparation and Characterisation of Diopside- based Glass-ceramic Foams, *Ceramics International*, 38 (2012) 2005-2010.

Year 2011

- 28- H. Abdoli, M. Zarabian, P. Alizadeh, S. K. Sadrnezhad, Fabrication of aluminum nitride coatings by electrophoretic deposition: Effect of particle size on deposition and drying behavior, *Ceramics International*, Vol. 37, 2011, 313-319.
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Year 2010

- 30- M. R. Tohidifar, E. Taheri-Nassaj, P. Alizadeh, Precursor content assessment and its influence on the optical interference of a nano-sized mica- hematite pearlescent pigment, *Powder Technology*, Vol. 204, 2010, 194-197.
- 31- H. A. Bahrami, H. Ghorbani, P. Alizadeh, F. Nasiri, Z. Mahallati, Fuzzy Modeling of Soil Water Distribution using Buried Porous Clay Capsule irrigation from a Subsurface Point Source, *Sensor Letters*, Vol. 8(1), 2010, 75-80.
- 32- P. Alizadeh, B. Eftekhari Yekta, T. Javadi, Preparation of Machinable Bioactive Mica-Diopside-Fluoroapatite Glass-Ceramics, *Advances in Applied Ceramics*, Vol. 109(1), 2010, 56-61.

Year 2009

- 33- B. Ashouri Rad, P. Alizadeh, Pressureless sintering and mechanical properties of $\text{SiO}_2\text{-Al}_2\text{O}_3\text{-MgO-K}_2\text{O-TiO}_2\text{-F- (CaO-Na}_2\text{O)}$ machinable glass-ceramics, *Journal of Ceramics International*, Vol. 35, 2009, 2775-2780
- 34- M. Malek, M. Khani, P. Alizadeh, H. Kazamian, Composite Wasteform based on $\text{SiO}_2\text{-PbO-CaO-ZrO}_2\text{-TiO}_2\text{-(B}_2\text{O}_3\text{-K}_2\text{O)}$ Parent Glass with Zircon as the Second Component, *Journal of Ceramics International*, Vol. 35(4), 2009, 1689-1692

35- M. Yousefi, P. Alizadeh, B. Eftekhari, F. Molaie, N. Ghaforiyan, M. Montazarian, Synthesis and Characterization of Diopside Glass-Ceramic Matrix Composite Reinforced with Aluminum Titanate, *Journal of Ceramics International*, Vol. 35(4), 2009, 1447-1452.

Year 2008

36- N. Bayat, S. Baghshahi, P. Alizadeh, Synthesis of white Pearlescent Pigments using the Surface Response Method of Statistical Analysis, *Journal of Ceramics International*, Vol. 34(8), 2008, 2029-2035.

37- M. Montazarian, P. Alizadeh, B. Eftekhari, Pressurless Sintering and Mechanical Properties of Mica Glass-Ceramic Y-PSZ Composite, *Journal of the European Ceramic Society*, Vol. 28(14), 2008, 2687-2692.

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39- M. Montazarian, P. Alizadeh, B. Eftekhari, Processing and Properties of a Mica-Apatite Glass-Ceramic Reinforced with Y-PSZ Particles, *Journal of the European Ceramic Society*, Vol. 28(14), 2008, 2693-2699.

40- M. Tohidifar, E. Tahari, P. Alizadeh, Optimization of the synthesis of a Nano-Sized Mica-Hematit pearlescent pigment, *Journal of Materials Chemistry and Physics*, Vol. 109(1), 2008, 137-142.

41- P. Alizadeh, A. Bahrami, Z. Namati, M. Bolandi, Crystallization and Electrical Properties of $[(\text{Pb}_{1-x}\text{Sr}_x)\text{TiO}_3][(\text{2SiO}_2, \text{B}_2\text{O}_3)][\text{K}_2\text{O}]$ Glass-Ceramics, *Journal of Materials Processing Technology*, Vol. 206(1-3), 2008, 126-131.

42- P. Alizadeh, B. Eftekhari, T. Javadi, Sintering Behavior and Mechanical Properties of the Mica-Diopside Machinable Glass-ceramics, Journal of the European Ceramic Society, Vol. 28(8), 2008, 1569-1573.

Year 2007

43- Bijan Eftekhari Yekta, Parvin Alizadeh, Leila Rezazadeh, Synthesis of Glass-Ceramic Glazes in the ZnO-Al₂O₃-SiO₂-ZrO₂ System, Journal of the European Ceramic Society, Vol. 27(5), 2007, 2311-2315.

44- P. Alizadeh, M. Yousefi, B. Eftekhari Yekta, N. Ghafoorian, F. Molaie, Sintering Behavior of SiO₂-CaO-MgO (Na₂O) Glass- Ceramics System, Journal of Ceramics International, Vol. 33, 2007, 767-771.

Year 2006

45- Bijan Eftekhari Yekta, Parvin Alizadeh, Leila Rezazadeh, Floor Tile Glass-Ceramic Glaze for Improvement of Glaze Surface Properties, Journal of the European Ceramic Society, Vol. 26(16), 2006, 3809-3812.

Year 2005

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47- B. Eftekhari Yekta, S. Hashemi Nia, P. Alizadeh, The Effect of B₂O₃, P₂O₅ on the Sintering and Machinability of Fluormica Glass-Ceramic, Journal of the European Ceramic Society, Vol.25 (6), 2005, 899-902.

Year 2004

- 48- B. Eftekhari Yekta, S. Hashemi Nia, P. Alizadeh, The influence of TiO_2 , Cr_2O_3 and ZrO_2 on the Sintering and Machinability of Fluorapatite Glass-Ceramic, *British Ceramic Transactions*, Vol.103 (5), 2004, 235-237.
- 49- B. Eftekhari Yekta, P. Alizadeh, A. Gervei, Effect of Fe_2O_3 Addition on the Sinterability and Machinability glass-ceramic in the system $\text{MgO-CaO-SiO}_2\text{-P}_2\text{O}_5$, *Journal of the European Ceramic Society*, Vol.24(13), 2004, 3529-3533.

Year 2003

- 50- P. Alizadeh, V. K. Marghussian, Study of Bulk Crystallization in $\text{MgO-CaO-SiO}_2\text{-Na}_2\text{O}$ Glasses in the Presence of CaF_2 and MoO_3 Nucleants, *Journal of the Materials Science*, Vol.38(7), 2003, 1367-1588.

Year 2002

- 51- P. Alizadeh, V. K. Marghussian, Mechanical Properties and Bioactive Characteristics of Wollastonite-Diopside Glass-Ceramics in the Presence of $\text{WO}_3 + \text{Fe}_2\text{O}_3$ Nucleants, *American Ceramic Society Bulletin*, Vol.81(3), 2002, 21-26.

Year 2001

- 52- B. Eftekhari Yekta, P. Alizadeh, Abnormal Shrinkage Behavior of an Iron-Calcareous Clay, *Industrial Ceramics*, Vol.21 (3), 2001, 159-162.

Year 2000

- 53- P. Alizadeh, V. K. Marghussian, The Effect of Compositional Changes on the Crystallization Behavior and Mechanical Properties of Diopside-Wollastonite Glass-Ceramics in the $\text{SiO}_2\text{-CaO-MgO (Na}_2\text{O)}$ System, *Journal of the European Ceramic Society*, Vol.20, 2000, 765-773.

54- P. Alizadeh, V. K. Marghussian, Effect of Nucleating Agents on the Crystallization Behavior and Microstructure of SiO₂-MgO-CaO (Na₂O) Glass-Ceramics, Journal of the European Ceramic Society, Vol.20, 2000, 775-782.

Year 1998

55- P. Alizadeh, B. Eftekhari Yekta, Characterization and Properties of Amorphous Silica Powder Prepared by the Vycor method, Industrial Ceramics, Vol.18 (3), 1998, 155-158

56- B. Eftekhari Yekta, P. Alizadeh, Slip Casting of Zircon, Industrial Ceramics, Vol. 18 (2), 1998, 87-90.

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Year 1996

58- B. Eftekhari Yekta, P. Alizadeh, Effect of Carbonates on Wall Tile Bodies, American Ceramic Society Bulletin, Vol.75 (5), 1996, 84-86.

Year 1992

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