

Curriculum Vitae (CV)

Personal Information:



Mohsen Safaei

Date of birth: 1981

Nationality: Iran

Marital status: Married

Position: Associate professor

Contacts:

Address: Division of Dental Biomaterials & Advanced Dental Science and Technology Research Center, School of Dentistry, Kermanshah University of Medical Sciences, Kermanshah, Iran

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Education & Publications:

Education:

PhD in Nanobiotechnology (2017)

First rank with GPA 19.52 out of 20, Research and Course Oriented.

Degrees

Ph.D	Nanobiotechnology	Razi University, Iran
Second M.Sc	Nanomaterials	Razi University, Iran
First M.Sc	Biology	Gorgan University, Iran
B.Sc	Biology	Urmia University, Iran

Research interests:

Application of nanomaterials in dentistry

Nanocomposites

Optimized synthesis of nanostructures

Nanotechnology-based mouthwash and toothpaste

Polymers in dentistry

Scaffolds and biodegradable biomaterials in tissue engineering

Nanostructures in oral medicine

Green synthesis of nanomaterials

Publications:

1. Sarabikia H, Souri R, **Safaei M***. Investigating the anticancer effects of polyvinyl alcohol/magnesium oxide bionanocomposite on human oral cancer cells. *Journal of Kermanshah University of Medical Sciences*. 2023. (In press)
2. Moradpoor H, Ghorbani F, Gorji P, **Safaei M***. Comparing the effect of multi-media-based and traditional teaching methods on single crown preparation factors with the application of CAD system. *Educational Research in Medical Sciences*. 2023. (In press)
3. da Cunha AR, Compton K, Xu R, Mishra R, Drangsholt MT, Antunes JL, Kerr AR, Acheson AR, Lu D, Wallace LE, Kocarnik JM, ..., **Safaei M**. The global, regional, and national burden of adult lip, oral, and pharyngeal cancer in 204 countries and territories: a systematic analysis for the global burden of disease study 2019. *JAMA Oncology*. 2023.
4. Aznab M, Shahhosseini R, **Safaei M**, Mozaffari HR. Salivary and serum levels of soluble E-cadherin in patients with gastrointestinal cancers: A comparative study. *Journal of Cancer Research and Therapeutics*. 2023.
5. Sharifi R, Lami Z, Sabzi F, Mozaffari HR, Imani MM, Golshah A, Moradpoor H, **Safaei M***. Effect of the inferior alveolar nerve block injection versus maxillary infiltration with two local anesthetic agents on cardiovascular parameters: A randomized comparative double-blind clinical trial. *Current Issues in Pharmacy and Medical Sciences*. 2023; 36:1-7.
6. **Safaei M**, Moradpoor H, Salmani Mobarakeh M, Fallahnia N. Optimization of Antibacterial, Structures, and Thermal Properties of Alginate-ZrO₂ Bionanocomposite by the Taguchi Method. *Journal of Nanotechnology*. 2022; 2022:7406168.
7. Ikuta KS, Swetschinski LR, Aguilar GR, Sharara F, Mestrovic T, Gray AP, Weaver ND, Wool EE, Han C, Hayoon AG, Aali A, ..., **Safaei M**. Global mortality associated with 33 bacterial pathogens in 2019: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2022; 400(10369):2221-2248.
8. Chahardoli A, **Safaei M***, Mobarakeh MS, Fallahnia N, Fatehi B, Imani MM, Golshah A. Optimum green synthesis of silver nanoparticles with the highest antibacterial activity against streptococcus mutans biofilm. *Journal of Nanomaterials*. 2022; 2022:6261006.
9. Imani MM, Ghorbani F, Gorji P, Mobarakeh MS, **Safaei M***. Optimization, structural characterization, thermal properties, and bactericidal activity of novel alginate/kaolin/ag bionanocomposite against streptococcus mutans biofilm. *Journal of Nanomaterials*. 2022; 2022:3720499.
10. Tran KB, Lang JJ, Compton K, Xu R, Acheson AR, Henrikson HJ, Kocarnik JM, Penberthy L, Aali A, Abbas Q, Abbasi B, ..., **Safaei M**. The global burden of cancer attributable to risk factors, 2010–19: a systematic analysis for the Global Burden of Disease Study 2019. *The Lancet*. 2022; 400(10352):563-591.
11. Sharifi R, Bahrami H, **Safaei M**, Mozaffari HR, Hatami M, Imani MM, Moradpoor H, Golshah A. A randomized triple-blind clinical trial of the effect of low-level laser therapy

on infiltration injection pain in the anterior maxilla. *Pesqui. Bras. Odontopediatria Clin. Integr.* 2022; 22:210001.

12. **Safaei M**, Moghadam A. Optimization of the synthesis of alginate-manganese oxide novel bionanocomposite by Taguchi design as antimicrobial dental impression material. *Materials Today Communications.* 2022; 31:103698.
13. Ghobadi A, Golshah A, **Safaei M**. The effect of hydrogen peroxide and povidone-iodine on the shear bond strength of orthodontic brackets: an in vitro study. *Open Access Macedonian Journal of Medical Sciences.* 2022; 10(D):274-280.
14. **Safaei M**, Mozaffari HR, Moradpoor H, Imani MM, Sharifi R, Golshah A. Optimization of Green Synthesis of Selenium Nanoparticles and Evaluation of Their Antifungal Activity against Oral Candida albicans Infection. *Advances in Materials Science and Engineering.* 2022; 1376998.
15. Ghorbani F, Gorji P, Mobarakeh MS, Mozaffari HR, Masaeli R, **Safaei M***. Optimized synthesis of xanthan gum/ZnO/TiO₂ nanocomposite with high antifungal activity against pathogenic candida albicans. *Journal of Nanomaterials.* 2022; 7255181.
16. **Safaei M***, Taran M. Preparation of bacterial cellulose fungicide nanocomposite incorporated with mgo nanoparticles. *Journal of Polymers and the Environment.* 2022; 30:2066–2076.
17. Moradpoor H, Mohammadi H, **Safaei M***, Mozaffari HR, Sharifi R, Gorji P, Sulong AB, Muhamad N, Ebadi M. Recent advances on bacterial cellulose-based wound management: promises and challenges. *International Journal of Polymer Science.* 2022; 1214734.
18. Imani MM, Kiani M, Rezaei F, Souri R, **Safaei M***. Optimized synthesis of novel hydroxyapatite/CuO/TiO₂ nanocomposite with high antibacterial activity against oral pathogen Streptococcus mutans. *Ceramics International.* 2021; 47(23): 33398-33404.
19. Moradpoor H, **Safaei M***, Golshah A, Mozaffari HR, Sharifi R, Imani MM, Mobarakeh MS. Green synthesis and antifungal effect of titanium dioxide nanoparticles on oral Candida albicans pathogen. *Inorganic Chemistry Communications.* 2021; 130:108748.
20. Golshah A, Marjani K, Mozaffari HR, Nikkerdar N, **Safaei M**, Moradpoor H, Sharifi R, Sadeghi M. A meta-analysis and trial sequential analysis of serum copeptin level in adult patients with Obstructive Sleep Apnoea Syndrome. *International orthodontics.* 2021; 19(3):346-352.
21. Moradpoor H, **Safaei M***, Mozaffari HR, Sharifi R, Imani MM, Golshah A, Bashardoust N. An overview of recent progress in dental applications of zinc oxide nanoparticles. *RSC Advances.* 2021;11(34):21189-21206.
22. Moghadam A, Mobarakeh MS, **Safaei M**, Kariminia S. Synthesis and characterization of novel bio-nanocomposite of polyvinyl alcohol-Arabic gum-magnesium oxide via direct blending method. *Carbohydrate Polymers.* 2021; 16:117802.
23. Mozaffari HR, Rostamnia M, Sharifi R, **Safaei M**, Zavattaro E, Tadakamadla SK, Imani MM, Sadeghi M, Golshah A, Moradpoor H, Rezaei F. A PRISMA-compliant meta-analysis on association between X-ray repair cross complementing (XRCC1, XRCC2, and XRCC3) polymorphisms and oral cancer susceptibility. *Gene.* 2021; 23:145524.
24. Taran M, **Safaei M***, Karimi N, Almasi A. Benefits and application of nanotechnology in environmental science: an overview. *Biointerface Research in Applied Chemistry.* 2021; 11:7860-7870.

25. Sharifi R, Jahedi S, Mozaffari HR, Imani MM, Sadeghi M, Golshah A, Moradpoor H, **Safaei M**. Association of LTF, ENAM, and AMELX polymorphisms with dental caries susceptibility: a meta-analysis. *BMC Oral Health*. 2020; 20:132.
26. Golshah A, Esfandeyari H, Nikkerdar N, Imani MM, **Safaei M**, Sharifi R, Mozaffari HR, Moradpoor H. Farsi Translation and Cultural Adaptation of Psychosocial Impact of Dental Esthetics Questionnaire and Evaluation of its Validity and Reproducibility. *Open Access Maced J Med Sci*. 2020; 8:124–129.
27. Mozaffari HR, Mardany A, Sadeghi M, Rezaei F, **Safaei M**, Sharifi R, Imani MM, Khavid A, Godiny M, Jamshidy L. A meta-analysis on association of IFN- γ rs2430561 polymorphism and the risk of oral lichen planus. *Gene Rep*. 2020; 20:100745.
28. **Safaei M***, Taran M, Jamshidy L, Imani MM, Mozaffari HR, Sharifi R, Golshah A, Moradpoor H. Optimum synthesis of polyhydroxybutyrate-Co₃O₄ bionanocomposite with the highest antibacterial activity against multidrug resistant bacteria. *Int J Biol Macromolec*. 2020; 158: 477–485.
29. Imani MM, Golchin N, **Safaei M**, Rezaei F, Abbasi H, Sadeghi M, Lopez-Jornet P, Mozaffari HR, Sharifi R. Methylenetetrahydrofolate reductase C677T polymorphism is not associated with the risk of nonsyndromic cleft lip/palate: an updated meta-analysis. *Sci Rep*. 2020; 10:1531.
30. Imani MM, **Safaei M**, Rezaei F, Gharati H, Azizi F. Management of an ankylosed central incisor with single-tooth dento-osseous osteotomy: A case report. *Med Sci*. 2020; 24:968–975.
31. Imani MM, Rezaei F, Mire H, Delavarian M, Sadeghi M, **Safaei M**, Mozaffari HR. A meta-analysis and meta-regression of association between MTHFR A1298C polymorphism and nonsyndromic cleft lip/palate risk: An evaluation based on five genetic models. *Int Orthod*. 2020; 18(2):191–202.
32. Imani MM, **Safaei M***, Moradpoor H, Rezaei R, Golshah A, Rezaei F, Jamshidy L. Optimum synthesis of CuO nanoparticles with the highest antifungal activity against oral pathogen *Candida albicans*. *J Appl Pharm Sci*. 2020; 10(2):21–25.
33. Taran M, Lotfi M, **Safaei M***. Optimal conditions for levan biopolymer production and its use in the synthesis of bactericidal levan-ZnO nanocomposite. *Biotechnologia*. 2019; 100(4):397–405.
34. **Safaei M**, Taran M, Imani MM, Moradpoor H, Rezaei F, Jamshidy L, Rezaei R. 2018. Application of Taguchi method in the optimization of synthesis of cellulose-MgO bionanocomposite as antibacterial agent. *Pol J Chem Technol*. 2019; 21(4):116–122.
35. Moradpoor H, **Safaei M***, Rezaei F, Golshah A, Jamshidy L, Hatam R, Abdullah RS. Optimization of cobalt oxide nanoparticles synthesis as bactericidal agents. *Open Access Maced J Med Sci*. 2019; 7(17):2757–2762.
36. Imani MM, **Safaei M**, Sadeghi M. Association between cystathionine beta-synthase c. 844ins68 polymorphism and risk of non-syndromic cleft lip/palate: A meta-analysis of family-based and case-control studies. *Int Orthod*. 2019; 17(4):652–659.

37. Moradpoor H, Raissi S, Dehnavi MJ, **Safaei M***. Factors affecting the learning of fixed prosthodontics course by students at Kermanshah university of medical sciences. *Open Access Maced J Med Sci*. 2019; 7(17):2868–2873.
38. Darakhshan S, Malmir M, Bagheri F, **Safaei M**, Sharifi R, Sadeghi M, Hatami M, Mozaffari HR, Tahvilian R. The effects of pomegranate peel extract on recurrent aphthous stomatitis. *Curr Issues Pharm Med Sci*. 2019; 32(3):115–120.
39. **Safaei M***, Taran M, Imani MM. Preparation, structural characterization, thermal properties and antifungal activity of alginate-CuO bionanocomposite. *Mater Sci Eng C*. 2019; 101:323–329.
40. Imani MM, **Safaei M**, Lopez-Jornet P, Sadeghi M. A systematic review and meta-analysis on protective role of forkhead box E1 (FOXE1) polymorphisms in susceptibility to non-syndromic cleft lip/palate. *Int Orthod*. 2019; 17(3):437–445.
41. Rezaei R, **Safaei M***, Mozaffari HR, Moradpoor H, Karami S, Golshah A, Salimi B, Karami H. The Role of Nanomaterials in the Treatment of Diseases and Their Effects on the Immune System. *Open Access Maced J Med Sci*. 2019; 7(11):1884–1890.
42. **Safaei M***, Taran M, Imani MM, Moradpoor H, Golshah A, Upadhyay P. In vitro evaluation of anticancer activity of synthesized sodium hyaluronate-titanium dioxide bionanocomposite. *Curr Issues Pharm Med Sci*. 2019; 32(2):99–103.
43. Mozaffari HR, Molavi M, Lopez-Jornet P, Sadeghi M, **Safaei M**, Imani MM, Sharifi R, Moradpoor H, Golshah A, Jamshidy L. Salivary and Serum Interferon-Gamma/Interleukin-4 Ratio in Oral Lichen Planus Patients: A Systematic Review and Meta-Analysis. *Medicina*. 2019; 55(6):257.
44. Sharifi R, Godiny M, Mozaffari HR, **Safaei M**, Hatam R, Veisi M. Effect of Topical Application of Dentol Drop on the Success of Inferior Alveolar Nerve Block for Teeth with Irreversible Pulpitis: A Double-blind Randomized Clinical Trial. *Iran Endod J*. 2019; 14(2):96–103.
45. Mozaffari HR, Zavattaro E, Saeedi M, Lopez-Jornet P, Sadeghi M, **Safaei M**, Imani MM, Nourbakhsh R, Moradpoor H, Golshah A, Sharifi R. Serum and salivary interleukin-4 levels in patients with oral lichen planus: A systematic review and meta-analysis. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2019; 128(2):123–131.
46. **Safaei M***, Taran M, Rezaei R, Mansouri K, Mozaffari HR, Imani MM, Sharifi R. Synthesis and anticancer properties of bacterial cellulose-magnesium oxide bionanocomposite. *Curr Issues Pharm Med Sci*. 2019; 32(1):29–33.
47. Golshah A, Taran M, **Safaei M***, Mozaffari HR, Imani MM, Sharifi R, Moradpoor H, Upadhyay P. Applying the Taguchi Method to the Optimization of Anticancer Activity of Bacterial Alginate-CuO Bionanocomposite. *Open Access Maced J Med Sci*. 2019; 7(1):1–5.
48. Imani MM, **Safaei M**, Afnaniesfandabad A, Moradpoor H, Sadeghi M, Golshah A, Sharifi R, Mozaffari HR. Efficacy of CPP-ACP and CPP-ACPF for Prevention and Remineralization of White Spot Lesions in Orthodontic Patients: a Systematic Review of Randomized Controlled Clinical Trials. *Acta Inform Med*. 2019; 27(3):199–204.

49. Sharifi R, Bahrapour E, Janfroozade P, **Safaei M**, Mozaffari HR, Soltanimehr E, Moradpoor H, Imani MM. Comparative evaluation of the efficacy of three methods of delivery of calcium hydroxide into the root canal. *Dent Med Probl.* 2019; 56(2):155-159.
50. Imani MM, **Safaei M***. Optimized Synthesis of Magnesium Oxide Nanoparticles as Bactericidal Agents. *J Nanotechnol.* 2019, 6063832.
51. Mozaffari HR, Zavattaro E, Abdolahnejad A, Lopez-Jornet P, Omidpanah N, Sharifi R, Sadeghi M, Shooriabi M, **Safaei M**. Serum and salivary IgA, IgG, and IgM levels in oral lichen planus: a systematic review and meta-analysis of case-control studies. *Medicina.* 2018; 54(6):99.
52. Sharifi R, Torabi A, Hatam R, Nikkerdar N, Mozaffari HR, **Safaei M***, Amiri SM. The Effect of Gates-Glidden Drills on the Quality of Root Canal Treatment by Pre-Clinical Dental Students. *Open Access Maced J Med Sci.* 2018; 6(11):2193–2197.
53. **Safaei M***, Taran M. Optimized synthesis, characterization, and antibacterial activity of an alginate–cupric oxide bionanocomposite. *J Appl Polym Sci.* 2018; 135:45682.
54. **Safaei M**, Karimi N, Alavi M, Taran M, Rezaei R. Application of nanomaterial in nutrition and food sciences. *J Adv Appl Sci Res.* 2017; 1(12): 1–16.
55. **Safaei M***, Taran M. Fabrication, characterization, and antifungal activity of sodium hyaluronate-TiO₂ bionanocomposite against *Aspergillus niger*. *Mater Lett.* 2017; 207:113–116.
56. **Safaei M***, Taran M. Optimal conditions for producing bactericidal sodium hyaluronate-TiO₂ bionanocomposite and its characterization. *Int J Biol Macromolec.* 2017; 104:449–456.
57. Alavi M, Karimi N, **Safaei M**. Application of various types of liposomes in drug delivery systems. *Adv Pharm Bull.* 2017; 7(1):3–9.
58. Taran M, Etemadi S, **Safaei M***. Microbial levan biopolymer production and its use for the synthesis of antibacterial Fe₃O₄-levan nanocomposite. *J Appl Polym Sci.* 2017; 134:44613.
59. **Safaei M***, Rezaei R, Boldaji F, Dastar B, Taran M, Hassani S. The effects of kaolin, bentonite and zeolite dietary supplementation on broiler chickens meat quality during storage. *Veterinary Sci Dev.* 2016; 6(1):6156.
60. **Safaei M***, Boldaji F, Dastar B, Hassani S, Taran M, Economic analysis using silicate minerals in broiler chickens diets. *ABAH Bioflux.* 2014; 6:216–223.
61. **Safaei M***, Jafariahngari Y, Mutalib MSA, Rezaei R. Evaluation usage of kaolin and zeolite in broiler diet on litter quality. *Asian J Anim Vet Adv.* 2014; 9:64–70.
62. **Safaei M***, Boldaji F, Dastar B, Mutalib MSA, Hassani S, Rezaei R. Effects of inclusion kaolin, bentonite and zeolite in dietary on chemical composition of broiler chickens meat. *Asian J Anim Vet Adv.* 2014; 9:56–63.
63. **Safaei M***, Boldaji F, Dastar B, Hassani S. Growth response and tibia bone characteristics in broilers fed diets containing kaolin, bentonite and zeolite. *J Anim Feed Sci.* 2012; 21:334–344.

64. **Safaei M***, Boldaji F, Dastar B, Hassani S. The effect of dietary silicate mineral supplementation on apparent ileal digestibility of energy and protein in broiler chickens. *Int J Agric Biol.* 2012; 14:299–302.
65. **Safaei M***, Jafariahangari Y, Baharlouei A, Shahi G. The efficacy of dietary inclusion of sodium bentonite on litter characteristics and some blood hormones in broiler chickens. *J Biol Sci.* 2011; 11:216–220.
66. **Safaei M***, Jafariahangari Y, Baharlouei A, 2011. An evaluation on the effects of dietary kaolin and zeolite on broilers blood parameters, T4, TSH and growth hormones. *Pak J Nutr.* 2011; 10:233–237.
67. **Safaei M***, Jafariahangari Y. Baharlouei A. Effects of dietary inclusion of sodium bentonite on biochemical characteristics of blood serum in broiler chickens. *Int J Agric Biol.* 2010; 12:877–880.
68. **Safaei M***, Boldaji F, Dastar B, Hassani S. Effect of different levels of kaolin, bentonite and zeolite on broilers performance. *J Biol Sci.* 2010; 10:58–62.

Congresses:

1. Marabi MS, Mobarakeh MS, Ghasemi H, Bonyadi N, **Safaei M***. Biological synthesis and characterization of zirconia nanoparticles using *Halomonas elongata*. 2nd International Conference on Nanotechnology and Nanoscience, 16 June 2021, University of Tehran, Iran.
2. Bashardoust N, Mozaffari HR, Sharifi R, Mobarakeh MS, **Safaei M***. Fabrication and characterization of hydroxyapatite-graphene oxide-zinc oxide nanocomposite by in situ method. 2nd International Conference on Nanotechnology and Nanoscience, 16 June 2021, University of Tehran, Iran.
3. Fallahnia N, Mozaffari HR, Sharifi R, Mobarakeh MS, **Safaei M***. Synthesis and characterization of alginate-silica-magnesium oxide nanocomposites by in situ method. 2nd International Conference on Nanotechnology and Nanoscience, 16 June 2021, University of Tehran, Iran.
4. Fallahnia N, Mobarakeh MS, Hatami M, **Safaei M***. Characterization of silver nanoparticles synthesized by green chemistry method using *Halomonas elongata* bacteria. Fourth National Conference on Research in Chemistry and Chemical Engineering of Iran with a special focus on Nanotechnology, 6 May 2021, Kish Island, Iran.
5. Mobarakeh MS, Fallahnia N, Hatami M, **Safaei M***. Synthesis and characterization of calcium carbonate-cobalt oxide nanocomposite by in situ method. Fourth National Conference on Research in Chemistry and Chemical Engineering of Iran with a special focus on Nanotechnology, 6 May 2021, Kish Island, Iran.
6. Bashardoust N, Mobarakeh MS, Hatami M, **Safaei M***. Characterization of zinc oxide nanoparticles synthesized by green chemistry method using *Bacillus* bacteria. Fourth National Conference on Research in Chemistry and Chemical Engineering of Iran with a special focus on Nanotechnology, 6 May 2021, Kish Island, Iran.

7. Sadeghi H, Kashiri M, Mobarakeh MS, **Safaie M**. Application of magnesium oxide based nanomaterials in food packaging. 27th Iranian Food Science and Technology Congress, 2 February 2021, Khuzestan, Iran.
8. Moghadam A, Salmani Mobarakeh M, **Safaie M**. Synthesis of magnesium oxide nanoparticles by coprecipitation method and investigation of its structural properties. 9th International Conference on Materials Engineering and Metallurgy, 10-11 November 2020, Tehran, Iran.
9. Moghadam A, **Safaie M***. Optimization of microbial synthesis of manganese oxide nanoparticles as an antibacterial agent. 9th International Conference on Materials Engineering and Metallurgy, 10-11 November 2020, Tehran, Iran.
10. Moghadam A, **Safaie M***. Optimizing the synthesis of alginate-manganese oxide bionanocomposite as an antibacterial agent. 9th International Conference on Materials Engineering and Metallurgy, 10-11 November 2020, Tehran, Iran.
11. Moghadam A, Salmani Mobarakeh M, **Safaie M**. Synthesis and characterization of polyvinyl alcohol-Arabic gum-magnesium oxide nanocomposite. 9th International Conference on Materials Engineering and Metallurgy, 10-11 November 2020, Tehran, Iran.
12. Taran M. Rezaei R. Mobarakeh MS. **Safaie M***. Optimization of synthesis of polyhydroxybutyrate-cobalt oxide bionanocomposite with the highest antifungal activity. 9th International Conference on Materials Engineering and Metallurgy, 10-11 November 2020, Tehran, Iran.
13. **Safaie M**, Rezaei R. Study of antibacterial activity of cobalt oxide nanoparticles synthesized by coprecipitation method. The 1st national conference on recent advances in engineering and modern sciences, 9 May 2018, IRIB international conference center, Tehran, Iran.
14. **Safaie M**. Challenges of using engineered nanomaterials on human health. The 1st national conference on recent advances in engineering and modern sciences, 9 May 2018, IRIB international conference center, Tehran, Iran.
15. **Safaie M**. Synthesis of magnesium oxides nanoparticles by coprecipitation method and evaluation of their antibacterial properties. The 1st national conference on recent advances in engineering and modern sciences, 9 May 2018, IRIB international conference center, Tehran, Iran.
16. **Safaie M**. Taran M. Rezaei R. Using Taguchi method to determine optimal conditions for synthesis of sodium hyaluronate-titanium dioxide bionanocomposite with the highest antifungal activity. National Conference on Nanotechnology Development, 7 March 2018, AKIAU, Golestan, Iran.
17. **Safaie M**. Investigating the application of nanoparticles in the treatment of cancer and their mechanisms of action. National Conference on Nanotechnology Development, 7 March 2018, AKIAU, Golestan, Iran.
18. **Safaie M**. Study of antibacterial properties of copper oxide nanoparticles synthesized by in-situ method. National Conference on Nanotechnology Development, 7 March 2018, AKIAU, Golestan, Iran.

Patent:

1. Process of combination of kaolin in poultry dietary

Patent Reg. Book No: 61575

Statement Book Reg. No: 388070495

Patent Date: October 26, 2009

Books:

1. Safaei M, Mobarakeh MS. 2021. Applications of Nanotechnology in Dentistry. Nowruzi Publishing, Gorgan, Golestan, Iran. p. 240. (In Persian)

2. Rezaei R, Safaei M. 2018. The Impact of Nanostructures on Immune System. Nowruzi Publishing, Gorgan, Golestan, Iran. p. 190. (In Persian)

3. Safaei M, Rezaei R. 2017. Nanosafety. Nowruzi Publishing, Gorgan, Golestan, Iran. p. 170. (In Persian)

4. Safaei M, Rezaei R. 2017. Applications of Nanotechnology in Life Sciences. Nowruzi Publishing, Gorgan, Golestan, Iran. p. 200. (In Persian)

Work Experiences Profile:

1. Associate Professor, Kermanshah University of Medical Sciences (KUMS), 2023 until Now.

2. Deputy Vice-Chancellor (School of Dentistry), Kermanshah University of Medical Sciences (KUMS), 2022 until Now.

3. Dean of student Research Committee (School of Dentistry), Kermanshah University of Medical Sciences (KUMS), 2018 until Now.

4. Assistant Professor, Kermanshah University of Medical Sciences (KUMS), 2018 until 2023.

5. Senior Deputy Vice-Chancellor, Shahid Rezaei Institute of Higher Education, 2016-2018.

6. Deputy Vice-Chancellor (student and research), Shahid Rezaei Institute of Higher Education, 2013–2016.

7. Research assistant in University Putra Malaysia (UPM), Serdang, Malaysia (2010 to 2012).

8. Research assistant in Golestan Research Center, Gorgan, Iran. (2005 to 2010 Part time).

Teaching Experiences:

1. Advanced Sciences in Dentistry (KUMS)
2. Dental Materials (KUMS)
3. Tissue Engineering and Dental Nanobiomaterials
4. Dental Tissue in Health and Disease (KUMS)
5. Infection Control (KUMS)
6. Fundamentals of Lasers in Dentistry (KUMS)
7. Research Methodology in Dentistry 1 (KUMS)
8. Research Methodology in Dentistry 2 (KUMS)
9. Academic Writing in Dentistry (KUMS)
10. Gerontology (KUMS)
11. Advanced Research Methods (Shahid Rezaei Institute of Higher Education)
12. Research Methods (Shahid Rezaei Institute of Higher Education)

Skills & Interests

Persian: Native Language English: Good
Good user of Qualitek-4 and SPSS Software in related statistical fields
Research planning and project designing
Good ability of team research working
Working and learning many of techniques used in Nanomedicine and Dental Materials
Interests (Internet & Sports)

References: Available Upon Request