

Curriculum vitae

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Group members

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RESEARCH FOCUS

- Construction of synthetic scaffolds for regenerative medicine
- Design of smart biomaterials for tissue engineering and drug delivery systems
- Smart nanomaterials

RESEARCH INTERESTS

- Construction of synthetic scaffolds for regenerative medicine
- Design of smart biomaterials for tissue engineering and drug delivery systems
- Smart nanomaterials

PUBLICATIONS LIST

1. Mirahadi M, Ghanbarzadeh S, **Ghorbani M**, Gholizadeh A. A review on the role of lipid-based nanoparticles in medical diagnosis and imaging. Therapeutic delivery. 2018;9:557-569.
2. Poorgholy N, Massoumi B, **Ghorbani M**, Jaymand M, Hamishehkar H. Intelligent anticancer drug delivery performances of two poly(N-isopropylacrylamide)-based magnetite nanohydrogels. Drug Development and Industrial Pharmacy. 2018;0(0):1-8.
3. Farshi P, Tabibiazar M, **Ghorbani M**, Hamishehkar H. Evaluation of Antioxidant Activity and Cytotoxicity of Cumin Seed Oil Nanoemulsion Stabilized by Sodium Caseinate-Guar Gum. Pharmaceutical Sciences. 2017;23(4):293-300.
4. Nezhad-mokhtari P, Arsalani M, **Ghorbani M**, Hamishehkar H. Development of biocompatible fluorescent gelatin nanocarriers for cell imaging and anticancer drug targeting. Journal of Materials Science. 2018.

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5. **Ghorbani M**, Hamishehkar H. Redox and pH-responsive gold nanoparticles as a new platform for simultaneous triple anti-cancer drugs targeting. *International Journal of Pharmaceutics*. 2017;520(1-2):126-138
 6. **Ghorbani M**, Hamishehkar H, Arsalani N, Entezami AA. Preparation of thermo and pH-responsive polymer@ Au/Fe₃O₄ core/shell nanoparticles as a carrier for delivery of anticancer agent. *Journal of Nanoparticle Research*. 2015;17(7):1-13.
 7. **Ghorbani M**, Hamishehkar H, Hajipour H, Arsalani N, Entezami AA. Ternary-responsive magnetic nanocarriers for targeted delivery of thiol-containing anticancer drugs. *New Journal of Chemistry*. 2016;40(4):3561-3570.
 8. **Ghorbani M**, Hamishehkar H, Arsalani N, Entezami AA. Surface decoration of magnetic nanoparticles with folate-conjugated poly(N-isopropylacrylamide-co-itaconic acid): A facial synthesis of dual-responsive nanocarrier for targeted delivery of doxorubicin. *International Journal of Polymeric Materials and Polymeric Biomaterials*. 2016;65(13):683-694.
 9. Ghamkhari A, Sarvari R, **Ghorbani M**, Hamishehkar H. Novel Thermoresponsive Star-Liked Nanomicelles for Targeting of Anticancer Agent. *European Polymer Journal*. 2018.
 10. **Ghorbani M**, Hamishehkar H. Decoration of gold nanoparticles with thiolated pH-responsive polymeric (PEG-b-p(2-dimethylamio ethyl methacrylate-co-itaconic acid) shell: A novel platform for targeting of anticancer agent. *Materials Science & Engineering C*. 2017;81:561-570.
 11. **Ghorbani M**, Hamishehkar H, Tabibiazar M. BSA/Chitosan Polyelectrolyte Complex: A Platform for Enhancing the Loading and Cancer Cell-Uptake of Resveratrol. *Macromolecular Research*. 2018:1-6.
 12. **Ghorbani M**, Hamishehkar H, Arsalani N, Entezami AA. A novel dual-responsive core-crosslinked magnetic-gold nanogel for triggered drug release. *Materials Science & Engineering C*. 2016;68:436-444.
 13. Amjadi S, **Ghorbani M**, Hamishehkar H, Roufegarinejad L. Improvement in the stability of betanin by liposomal nanocarriers: Its application in gummy candy as a food model. *Food Chemistry*. 2018;256(November 2017):156-162.

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14. Sabzichi M, Mohammadian J, **Ghorbani M**, et al. Fabrication of all-trans-retinoic acid-loaded biocompatible precircol: A strategy for escaping dose-dependent side effects of doxorubicin. *Colloids and Surfaces B Biointerfaces*. 2017;159:620-628.
 15. **Ghorbani M**, Hamishehkar H. A novel multi stimuli-responsive PEGylated hybrid gold/nanogels for co-delivery of doxorubicin and 6-mercaptopurine. *Materials Science & Engineering C*. 2018;92(November 2017):599-611.
 16. Taghvimi A, **Ghorbani M**, Hamishehkar H. Synthesis of a novel polymeric magnetic solid phase extraction adsorbent for selective extraction of amphetamine from urine samples coupled with high performance liquid chromatography. *Drug Testing and Analysis*. 2017.
 17. **Ghorbani M**, Gheybi H, Entezami AA. Synthesis of water-soluble and conducting polyaniline by growing of poly (N-isopropylacrylamide) brushes via atom transfer radical polymerization method. *Journal of Applied Polymer Sciences*. 2012;123(4):2299-2308.
 18. Aliyeh Ghamkhari, **Marjan Ghorbani**, Samira Agbolaghi. A Perfect Stimuli-Responsive Magnetic Nanocomposite for Intracellular Delivery of Doxorubicin. *Artificial Cells, Nanomedicine and Biotechnology*. 2018.
 19. **Marjan Ghorbani**, Hamed Hamishehkar, Redox-responsive Smart Nanogels for Intracellular Targeting of Therapeutic Agents: Applications and Recent Advances. *Journal of Drug Targeting*. 2018.
 20. Mahnaz Tabibiazar, **Marjan Ghorbani**, Maryam Hashemi, Leila Rofehgari-Nejad, Mohammad Amin Mohammadifare, Hamed Hamishehkar*, Improvement in dispersibility, stability and antioxidant activity of resveratrol by developing a colloidal nanodispersion of BSA-resveratrol complex. *Food Bioscience*. 2018.
 21. Nazila Fathi Maroufi, Vahid Vahedian, Roya Bazzaz, **Marjan Ghorbani**, Mehdi Sabzichi, Saeed Ghanbarzadeha,*. Sensitization of human carcinoma MDA-MB-231 breast cancer cell to docetaxel by myrecitin loaded biocompatible comparitol through SubG1 cell cycle arrest mechanism. 2019. *Naunyn-Schmiedeberg's Archives of Pharmacology*.
 22. Sara Hashempour, Haward Maibach, Saeed Ghanbarzadeh, **Marjan Ghorbani**, Hamed Hamishehkar*, Skin toxicity of topically applied nanoparticles, 2019, *Thrapeutic delivery*.
-

-
23. Shiva Mahmoudi, **Marjan Ghorbani**, Mehdi Sabzichi, Fatemeh Ramezani, Hamed Hamishehkar, Nasser Samadi*, Targeted hyaluronic acid-based lipid nanoparticle for apigenin delivery to induce Nrf2-dependent apoptosis in lung cancer cells, 2018, Journal of Drug Delivery science and technology.
24. Masoud Amanmohammadi, Soghra Ramazani, Mojtaba Raeisi, Mohammad Reza Rostami, Mahnaz Tabibiazar*, **Marjan Ghorbani***, Fabrication of food-grade nanofibers of whey protein isolate-guar gum using the electrospinning method, 2019, Food Hydrocolloids.
25. Fatemeh khaki-khatibi, Ailar Tupal, Nasim Moghadssi, **Marjan Ghorbani**, Mehdi Sabzichi, Jamal Mohammadian*, Adjuvant therapy with static enriches the anti-proliferative effect of doxorubicin in human ZR-75-1 breast cancer cells via arresting cell cycle and inducing apoptosis, 2018, Biomedicine and pharmacotherapy.
26. Maryam Mohammadi, Reza Rezaei Mokarram*, **Marjan Ghorbani**, Hamed Hamishehkar*, Inulinase immobilized gold-magnetic nanoparticles as a magnetically recyclable biocatalyst for facial and efficient inulin biotransformation in food industry, 2018, International Journal of Biological Macromolecules.
27. **Marjan Ghorbani**, Farideh Mahmoodzadeh, Parinaz Nezhad-Mokhtari, Hamed Hamishehkar*, A novel polymeric micelle-decorated Fe₃O₄/Au core shell nanoparticle for pH and reduction-responsive intracellular co-delivery of doxorubicin and 6-mercaptopurine. 2019 New Journal of Chemistry.
28. Siamak Javanbakht, Parinaz Nejad-mokhtari, Ahmad Shaabani, Nasser Aarsalani, **Marjan Ghorbani**, Incorporating Cu-based metal-organic framework/drug nanohybrids into gelatin microsphere for ibuprofen oral delivery. 2018, Materials Science and Engineering: C.
29. Mojtaba Momeni, Mahnaz Tabibiazar, Siros khorram, Mohammad Sadegh Zakerhamidi, **Marjan Ghorbani**, Mohammad Amin Mohammadifar, Hadi Valizadeh, Pectin Modification Assisted by Nitrogen Glow Discharge Plasma. 2018, International Journal of Biological Macromolecules.
30. Mozghan Sadeghi, Salar Hemmati, Roya Salehi, Mohammad Solhi, **Marjan Ghorbani**, Hamed Hamishehkar, Introduction of a new superdisintegrant for the formulation of domperidone tablet, 2019, Journal of Drug Delivery Science and Technology.
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31. **Marjan Ghorbani**, Sajed Amjadi, Hamed Hamishehkar*, A novel smart PEGylated gelatin nanoparticle for co-delivery of doxorubicin and betanin: A strategy for enhancing the therapeutic efficacy of chemotherapy, 2019, Materials Science and Engineering: C.
32. parastoo farshi, mahnaz tabibiazar*, **Marjan ghorbani**, Hamed Hamishehkar, Mohammad Amin Mohammadifar, maryam Bannazadeh Amirkhiz, Characterization of Whey protein isolate-Guar gum stabilized cumin seed-oil nanoemulsion, 2019, Food Bioscience.
33. Mohammad Reza Rostami, Masoud Amanmohammadi, Soghra Ramazani, Mahnaz Tabibiazar*, **Marjan Ghorbani***, Fabrication of food-grade nanofibers of whey protein isolate-guar gum using the electrospinning method, 2019, International Journal of Biological Macromolecules.
34. Raeisi, S, Chavoshi, H, Mohammadi, M, **Ghorbani, M**, Sabzichi, M, Ramezani, F*, Naringenin-loaded nano-structured lipid carrier fortifies oxaliplatin-dependent apoptosis in HT-29 cell line, 2019, Process Biochemistry.
35. **Ghorbani, M**, Mahmoodzadeh, F, Jannat, B, Fathi, N, Hashemi, B, Roshangar, L*, Glutathione and pH-responsive fluorescent nanogels for cell imaging and targeted methotrexate delivery, , 2019, Polymers for Advanced Technologies.
36. Nezhad-Mokhtari, P, **Ghorbani, M***, Roshangar, L., Soleimani Rad, J, A review on the construction of hydrogel scaffolds by various chemically techniques for tissue engineering, 2019, European Polymer Journal.
37. Amjadi, S, Mesgari Abbasi, M, Shokouhi, B, **Ghorbani, M**, Hamishehkar, H, Enhancement of therapeutic efficacy of betanin for diabetes treatment by liposomal nanocarriers, 2019, Journal of Functional Foods.
38. Ghamkhari, A, Mahmoodzadeh, F, **Ghorbani, M**, Hamishehkar, H, A novel gold nanorods coated by stimuli-responsive ABC triblock copolymer for chemotherapy of solid tumors, 2019, European Polymer Journal.
39. Mahmoodzadeh, F, Hosseinzadeh, M, Jannat, B, **Ghorbani, M**, Fabrication and characterization of gold nanospheres-cored pH-sensitive thiol-ended triblock copolymer: A smart drug delivery system for cancer therapy, 2019, Polymers for Advanced Technologies.
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40. Sabzichi, M, Ramezani, M, Mohammadian, J, **Ghorbani, M**, Mardomi, A, Najafipour, F, Mehdizadeh, A, The synergistic impact of quinacrine on cell cycle and anti-invasiveness behaviors of doxorubicin in MDA-MB-231 breast cancer cells, 2019, Process Biochemistry.
41. Niaei, N, Samadi, A, Hamishehkar, H, **Ghorbani, M***, Development of terbium-sensitized fluorescence method for the determination of alendronate in biological samples followed by magnetic solid-phase extraction, 2019, Microchemical Journal.
42. Mahmoodzadeh, F, Jannat, B, Ghorbani, M, Chitosan-based nanomicelle as a novel platform for targeted delivery of methotrexate, 2019, International Journal of Biological Macromolecules.
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