

Mahboubeh Rezazadeh

Isfahan University of Medical Science
Department of Pharmaceutics
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Education

Ph.D. Isfahan University of Medical Science, Isfahan, Iran
2009-2014 Pharmaceutics

Pharm. D Isfahan University of Medical Science, Isfahan, Iran
2003-2009 Pharmacy

Research interests

Targeted Drug delivery, Cancer immunotherapy, Tissue engineering, Gen delivery, Cell delivery, Nanoparticles, Thermosensitive hydrogel, Microbiology, Pharmacokinetic, and Bioequivalence studies

Technical and professional skills

Chromatography, DLS, ZetaSizer/Titration, Freeze dryer, TGA, Cell imaging Transmission Electron Microscope (TEM), Mechanical testing (compressive, tensile, shear), Scanning Electron Microscope (SEM), Blood compatibility (Hemocompatibility), Cell study (including cell isolation, cultivation, differentiation, and cell viability assessment), Transfection, Tissue handling (isolation, sectioning, staining e.g H& E, and immunostaining), Image analyzer, Florescence Microscope, Flow cytometry, Agarose gel electrophoresis, Electrospinning, Animal models, XRD, FTIR, UV/vis, NMR, Contact angle, DCS, ELISA, and CD spectroscopy

Academic Experience

2021-present Associate professor, faculty of pharmacy and pharmaceutical science, Isfahan University of Medical science, Iran.

2015-2021 Assistant professor, faculty of pharmacy and pharmaceutical science, Isfahan University of Medical science, Iran.

Selected Publications ¹

2021 E. Ziaei, J. Emami, **M. Rezazadeh**, M. Kazemi, "Pulmonary Delivery of Docetaxel and Celecoxib by PLGA Porous Microparticles for Their Synergistic Effects Against Lung Cancer", *Anti-cancer Agents in Medicinal Chemistry*

2021 V. Akabari, **M. Rezazadeh***, N. Hanaei, F. Hasanzadeh. "Preparation and in vitro characterization of histidine trimethyl chitosan conjugated nanocomplex incorporated into injectable thermosensitive hydrogels for localized gene delivery" *Biotechnology and applied biochemistry*

¹ Refer to my [Google scholar](#) for complete of my publication. Author marked* is the corresponding author

- 2021 **M. Rezazadeh***, V. Akbari, J. Varshosaz, P. Karbasizadeh, M. Minaiyan. "Sustained release of erythropoietin using a novel injectable thermosensitive hydrogel: in vitro studies, biological activity, and efficacy in rats", *Pharmaceutical development and technology*
- 2020 E. Ziaei, J. Emami, M. Kazemi, **M. Rezazadeh**, "Simultaneous Determination of Docetaxel and Celecoxib in Porous Microparticles and Rat Plasma by Liquid-Liquid Extraction and HPLC with UV Detection: in vitro and in vivo Validation and Application" *Journal of Pharmacy and Pharmaceutical Sciences*
- 2019 **M. Rezazadeh***, M. Parandeh, V. Akbari, Z. Ebrahimi, A. Taheri. "Incorporation of rosuvasatin-loaded chitosan/chondroitin sulfate nanoparticles into a thermosensitive hydrogel for bone tissue engineering: preparation, characterization, and cellular behavior".*Pharmaceutical development and technology*.
- 2018 J. Emami, **M. Rezazadeh***, M. Mashayekhi, M. Rostami, A. Jahanian-Najafabadi, "A novel mixed polymeric micelle for co-delivery of paclitaxel and retinoic acid and overcoming multidrug resistance: synthesis, characterization, cytotoxicity, and pharmacokinetic evaluation", *Drug development and industrial pharmacy*
- 2018 **M. Rezazadeh*** , N. Jafari, V. Akbari , M. Amirian, M. Tabbakhian , M. Minaiyan , M. Rostami. "A mucoadhesive thermosensitive hydrogel containing erythropoietin as a potential treatment in oral mucositis: in vitro and in vivo studies". *Drug delivery and translational research*.
- 2016 **M. Rezazadeh**, J. Emami, F. Hasanzadeh, H. Sadeghi, M. Minaiyan, A. Mostafavi, M. Rostami , A. Lavasanifar. "In vivo pharmacokinetics, biodistribution and antitumor effect of paclitaxel-loaded targeted chitosan-based polymeric micelle", *Drug Delivery*
- 2015 J. Emami, **M. Rezazadeh***, F. Hasanzadeh, H. Sadeghi, A. Mostafavi, M. Minaiyan, M. Rostami, N. Davies, "Development and in vitro/in vivo evaluation of novel targeted polymeric micelle for delivery of paclitaxel" *International Journal of Biological Macromolecules*

Selected Presentations

- 2018 Preparation, characterization and, in vitro cytotoxicity of a novel thermosensitive hyaluronic acid hydrogel containing chitosan/chondroitin sulfate nanoparticles for bone tissue engineering, *International congress of pharmacy updates Tehran, Iran*
- 2017 A novel injectable thermosensitive hydrogel for co-delivery of paclitaxel and doxorubicin hydrochloride, *7th Iranian Controlled Release Society Conference*
- 2016 Preparation and physicochemical evaluation of tocopheryl polyethylene glycol succinylated 1000, 5000 (TPGS 1K, 5K) micelles for delivery of paclitaxel, *The*

International Conference on Medical, Biological and Pharmaceutical Sciences (ICMBPS) in Ottawa Canada

2015 A rapid and sensitive HPLC method for quantitation of paclitaxel in biological samples using liquid-liquid extraction and UV detection: Application to pharmacokinetics and tissues distribution study of paclitaxel loaded targeted polymeric micelles in tumor bearing mice, *14th Iranian Pharmaceutical Science Congress, Tehran Iran*

Honors and Awards

Young researcher grant from National Institute for Medical Research Development (NIMAD), Iran

Peer reviewer in numerous international journals such as *Research in Pharmaceutical Science, Cancer Letter, Journal of Biological Macromolecular Research, Advanced Biomedical Research Pharmaceutical Development and Technology*