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Education

۱. Pharm D

Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran, ۱۹۸۸

Thesis Title: Synthesis and study of antimicrobial effect of new nitroimidazole derivatives

۲. Ph.D

pharmaceutics, Department of Medical Biophysics, Medical School, University of, Manchester, UK, ۱۹۹۰

Thesis Title: Preparation and Potential Application of Floating Formulations Based on Ion Exchange Resin

۳. Fellowship

Nanotechnology, UMR CNRS ۸۶۱۲, Universite Paris-Sud, Paris, France,

Language Skills

۱- English

۲- French

Scientific Position

۱. Professor of Pharmaceutics

Faculty of Pharmacy, Tehran University of Medical Sciences,

۲. Head of department of Nanotechnology

Faculty of Pharmacy, Teheran University of Medical Sciences,

Book chapter

۱- **F. Atyabi**, “*Radiopharmaceuticals in Novel Drug Delivery Systems*”, in *Radiopharmaceuticals Handbook*, TUMS Publications, ۲۰۰۷

۳- **F. Atyabi**, S. Majzoob, "Polysaccharides as Carrier for Particulate-controlled Delivery Systems" in *Handbook of "Particulate Drug Delivery"*, American scientific publisher, ۲۰۰۷, volume ۱

۴- Ali Rastegari, **Fatemeh Atyabi**, "Nanotechnology approaches in cancer therapy"

۵- **F. Atyabi**, F. Zahir, F. Khonsari, A. Shafiee, F. Mottaghitalab, *Chapter ۲۱ – Combination therapy of macromolecules and small molecules: approaches, advantages, and limitations, Nanostructures for Cancer Therapy*, ۰۵۱-۰۶۱ (۲۰۱۷)

۶- **F. Atyabi**, F. Mottaghitalab, A. Rastegari, *Chapter ۲۷ – siRNA-based nucleoceuticals for tissue regeneration, Nanostructures for Novel Therapy*, ۷۵۱-۷۶۸ (۲۰۱۷)

Patent:

Polycitric Acid Functionalized Carbon Nanotube Drug Delivery System

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United States Patent Application Publication

Abstract

۱. F. S. M. Tekie, **F. Atyabi**, M. Soleimani, R. Dinarvand, M. Amini, *Preparation and investigation of smart hydrogels of thiolated dextran and miR-۱۴۵. Journal of Controlled Release* ۲۱۳, e ۳۲-e ۳۳ (۲۰۱۵). (Abstract)
۲. R. Varshochian, M. Jeddi-Tehrani, A. R. Mahmoudi, A. Sabzvari, **F. Atyabi**, R. Dinarvand, *Stabilization of monoclonal antibody upon encapsulation in polymeric nanoparticles by double emulsion technique. Journal of Controlled Release* ۱, e ۶۲-e ۶۳ (۲۰۱۳). (Abstract)
۳. M. H. Shahverdi, **F. Atyabi**, S. R. Dinarvand, *Preparation and characterization of aFGF-loaded chitosan nanoparticles with two different methods. Research in Pharmaceutical Sciences* ۷, S ۲۳۳ (۲۰۱۲). (Abstract)
۴. R. D. Sabzvari, K. Adibkia, A. **F. Atyabi**, *Triamcinolone acetonide nanoparticles for ocular delivery: preparation and in vitro evaluation. Research in Pharmaceutical Sciences* ۷, S ۲۸۰ (۲۰۱۲). (Abstract)
۵. R. D. Kamalinia, **F. Atyabi**, M. Amini, G. F. Abedin Dorkoosh, *Preparation and molecular characterization of nanostructures of conjugated deferasirox to lactoferrin. Research in Pharmaceutical Sciences* ۷, S ۲۵۱ (۲۰۱۲). (Abstract)

7. M. A. Goodarzi, **F. Atyabi**, N. R Dinarvand, *Targeted drug delivery to cancer stem cells by hyaluronic acid-based drug conjugates: Synthesis and characterization. **Research in Pharmaceutical Sciences** ۷, S ۲۷۴ (۲۰۱۲). (Abstract)*
۷. F. A. Gandomi, M. Fazeli, E. Farbood, N. R Dinarvand, **F. Atyabi**, *Solid li, pi*(۲۰۱۶)

manuscript

۱. H. Ayazi, O. Akhavan, M. Raoufi, R. Varshochian, N. Sadat Hosseini Motlagh, **F. Atyabi**, *Graphene aerogel nanoparticles for in-situ loading/pH sensitive releasing anticancer drugs, **Colloids and Surfaces B: Biointerfaces**, ۱۸۶ (۲۰۲۰)*
۲. M. Esfandyari-Manesh, M. Abdi, A. Hajhossein Talasaz, S. M. Ebrahimi, **F. Atyabi**, R. Dinarvand , *S^۲P peptide-conjugated PLGA-Maleimide-PEG nanoparticles containing Imatinib for targeting drug delivery to atherosclerotic plaques, **DARU Journal of Pharmaceutical Sciences**, (۲۰۲۰)*
۳. F. Hashemi, M.R. Hormozi-Nezhad, C. Corbo, F.s. Farvadi, M.A. Shokrgozar, M. Mehrjoo, **F. Atyabi**, M.H. Ghahremani, M. Mahmoudi , R. Dinarvand, *Laser irradiation affects the biological identity and cellular uptake of plasmonic nanoparticles, **Nanoscale**, ۱۳: (۲۰۱۹)*
۴. N. Majidi Zolbanin, R. Jafari, J. Majidi, **F. Atyabi**, M. Yousefi, F. Jadidi-Niaragh, M.S. Soltani Zangbar, M. Asadi , A. Mohajjel Nayebi, *Apoptotic Effects of Mucin ۱ Aptamer-Conjugated Nanoparticles Containing Docetaxel and c-Met siRNA on SKBR ۳ Human Metastatic Breast Cancer Cells, **JUNDISHAPUR JOURNAL OF NATURAL PHARMACEUTICAL PRODUCTS**, (۲۰۱۹)*
۵. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *The significance of artificial intelligence in drug delivery system design, **Advanced Drug Delivery Reviews**, ۱۵۱-۱۵۲: ۱۶۹-۱۹۰(۲۰۱۹)*
6. A. Shabani, **F. Atyabi**, M.R. Khoshayand, R. Mahbod, R.A. Cohan, I. Akbarzadeh, H. Bakhshandeh, *Design of Experiment, Preparation, and in vitro Biological Assessment of Human Amniotic Membrane Extract Loaded Nanoparticles, **Current Pharmaceutical Biotechnology**, (۲۰۱۹)*

۷. **M.** Norouzi, M. Amerian, M. Amerian, **F. Atyabi**, *Clinical applications of nanomedicine in cancer therapy*, ***Drug Discovery Today***, (۲۰۱۹)
۸. **R.** P. Ahwazi, M. Kiani, M. Dinarvand, A. Assali, F. S. M. Tekie, R. Dinarvand, **F. Atyabi**, *Immobilization of HIV-1 TAT peptide on gold nanoparticles: A feasible approach for siRNA delivery*, ***Cellular Physiology***, (۲۰۱۹)
۹. **Gh.** Rezaei, S. M. Daghighi, M. Raoufi, M. Esfandyari-Manesh, M. Rahimifard, V. Iranpur Mobarakeh, S. Kamalzare, M.H. Ghahremani, **F. Atyabi**, M. Abdollahi, F. Rezaee, R. Dinarvand, *Synthetic and biological identities of polymeric nanoparticles influencing the cellular delivery: An immunological link*, ***Journal of Colloid and Interface Science***, ۵۵۶, ۴۷۶-۴۹۱(۲۰۱۹)
۱۰. **M.** Esfandyari-Manesh, A. Mohammadi, **F. Atyabi**, S.M.Ebrahimi, E. Shahmoradi, M. Amini, Z. H.Mirzaie, M. H. Ghahremani, R. Dinarvand, *Enhancement mitochondrial apoptosis in breast cancer cells by paclitaxel-triphenylphosphonium conjugate in DNA aptamer modified nanoparticles*, ***Journal of Drug Delivery Science and Technology*** ۵۴, (۲۰۱۹)
۱۱. **H.** Hassannia, M. Ghasemi Chaleshtari, **F. Atyabi**, M. Nosouhian, A. Masjedi, M. Hojjat-Farsangi, A. Namdar, Gh. Azizi, H. Mohammadi, Gh, Ghalamfarsa, Gh. Sabz S. Hasanzadeh, M. Yousefi, F. Jadidi-Niaragh, *Blockage of immune checkpoint molecules increases T cell priming potential of dendritic cell vaccine*, ***Immunology***, (۲۰۱۹)
۱۲. **M.** Alibolandi, F. Sadeghi, Kh. Abnous, **F. Atyabi**, M. Ramezani, F. Hadizadeh, *Corrigendum to "The chemotherapeutic potential of doxorubicin-loaded PEG-b-PLGA nanopolymersomes in mouse breast cancer model." [Eur. J. Pharm. Biopharm. ۹۴ (۲۰۱۵) ۵۲۱-۵۳۱]*, ***European Journal of Pharmaceutics and Biopharmaceutics***, ۱۴۲, ۵۴۰(۲۰۱۹)
۱۳. **R.** Angela Baus, F. Zahir-Jouzani, S. Dünhaupt, **F. Atyabi**, A. Bernkop-Schnürch *Mucoadhesive hydrogels for buccal drug delivery: In vitro- in vivo correlation study*, ***European Journal of Pharmaceutics and Biopharmaceutics***, ۱۴۲, ۴۹۸-۵۰۵(۲۰۱۹)
۱۴. **S.** Kamalzare, Z. Noormohammadi, P. Rahimi, **F. Atyabi**, S. Irani, F.S. Mirzazadeh Tekie, F. Mottaghitlab, *Carboxymethyl dextran-trimethyl chitosan coated superparamagnetic iron oxide nanoparticles: An effective siRNA delivery system for HIV-1 Nef*, ***Journal of Cellular Physiology***, (۲۰۱۹)

۱۰. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *The significance of artificial intelligence in drug delivery system design*, **Advanced Drug Delivery Reviews**, ۱۰۱-۱۰۲: ۱۶۹-۱۹۰ (۲۰۱۹)
۱۱. F. Vakhshiteh, **F. Atyabi**, S.N. Ostad, *Mesenchymal stem cell exosomes: a two-edged sword in cancer therapy*, **International Journal Nanomedicine**, ۱۴: ۲۸۴۷-۲۸۵۹(۲۰۱۹)
۱۲. M. Hajiramezanali, **F. Atyabi**, M. Mosayebnia, M. Akhlaghi, P. Geramifar, A.R. Jalilian, S.M. Mazidi, H. Yousefnia, S. Shahhosseini, D. Beiki, *⁶⁷Ga-radiolabeled bombesin-conjugated to trimethyl chitosan-coated superparamagnetic nanoparticles for molecular imaging: preparation, characterization and biological evaluation*, **International Journal Nanomedicine**, ۱۴, ۲۵۹۱-۲۶۰۲(۲۰۱۹)
۱۳. F. Hashemi, M. R. Hormozi-Nezhad, C. Corbo, F.S. Farvadi, M.A. Shokrgozar, M. Mehrjoo, **F. Atyabi**, M.H. Ghahremani, M. Mahmoudi, R. Dinarvand, *Laser irradiation affects the biological identity and cellular uptake of plasmonic nanoparticles*, **Nanoscale**, ۱۳, ۵۷۷۵-۷۵۰۰ (۲۰۱۹)
۱۴. A. Rastegari, F. Mottaghitlab, R. Dinarvand, M. Amini, E. Arefian, M. Gholami, **F. Atyabi**, *Inhibiting hepatic gluconeogenesis by chitosan lactate nanoparticles containing CRTCL siRNA targeted by poly(ethylene glycol)-glycyrrhetic acid*, **Drug Delivery and Translational Research**, ۹(۳), ۶۹۴-۷۰۶ (۲۰۱۹)
۱۵. A. Masjedi, H. Hassanni, **F. Atyabi**, A. Rastegari, M. Hojjat-Farsangi, A. Namdar, H. Soleimanpour, G.R. Azizi, A. Nikkhoo, G. Ghalamfarsa, A. Mirshafiey, F. Jadidi-Niaragh, *Downregulation of A_{2A}AR by siRNA loaded PEG-chitosan-lactate nanoparticles restores the T cell mediated anti-tumor responses through blockage of PKA/CREB signaling pathway*, **International Journal of Biological Macromolecules**, ۱۳۳, ۴۳۶-۴۴۵ (۲۰۱۹)
۱۶. V. Iranpur Mobarakeh, M.H. Modarressi, P. Rahimi, A. Bolhassani, E. Arefi, **F. Atyabi**, R. Vahabpour, *Optimization of chitosan nanoparticles as an anti-HIV siRNA delivery vehicle*, **International Journal of Biological Macromolecules**, ۱۲۹, ۳۰۵-۳۱۵(۲۰۱۹)
۱۷. F. Mottaghitlab, M. Farokhi, Y. Fatahi, **F. Atyabi**, R. Dinarvand, *New insights into designing hybrid nanoparticles for lung cancer: Diagnosis and treatment*, **Journal of Controlled Release**, ۲۹۵, ۲۵۰-۲۶۷(۲۰۱۹)
۱۸. F. Zahir-Jouzani, F. Khonsari, M. Soleimani, M. Mahbod, E. Arefian, M. Heydari, S. Shahhosseini, R. Dinarvand, **F. Atyabi**, *Nanostructured lipid carriers containing*

rapamycin for prevention of corneal fibroblasts proliferation and haze propagation after burn injuries: In vitro and in vivo, **Cellular Physiology**, ۳۲۴(۴), ۴۷۰-۴۷۱۲ (۲۰۱۹)

۲۴. A. Assali, S. Razzazan, O. Akhavan, F. Mottaghtalab, M. Adeli, **F. Atyabi**, *The bio-interface between functionalized Au NR@GO nanoplatfoms with protein corona and their impact on delivery and release system*, **Colloids and Surfaces B: Biointerfaces**, ۱۷۳, ۸۹۱-۸۹۸ (۲۰۱۹)
۲۵. R. Jafari, N. Majidi Zolbanin, J. Majidi, **F. Atyabi**, M. Yousefi, F. Jadidi-Niaragh, L. Aghebati-Maleki, D. Shanehbandi, M.S. Soltani Zangbar, H. Rafatpanah, *Anti-Mucin ۱ Aptamer-Conjugated Chitosan Nanoparticles for Targeted Co-Delivery of Docetaxel and IGF- ۱R siRNA to SKBR ۳ Metastatic Breast Cancer Cells*, **Iranian Biomedical Journal**, ۲۳(۱), ۲۱-۳۳ (۲۰۱۹)
۲۶. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, **NANOPARTICLES RESHAPE THE BIOMEDICAL INDUSTRY**, **Biomedical Reviews**, ۲۹, ۱۷-۲۶ (۲۰۱۸)
۲۷. A. Assali, O. Akhavan, F. Mottaghtalab, M. Adeli, R. Dinarvand, S. Razzazan, E. Arefian, M. Soleimani, **F. Atyabi**, *Cationic graphene oxide nanoplatfom mediates miR- ۱۰۱ delivery to promote apoptosis by regulating autophagy and stress*, **International Journal of Nanomedicine**, ۱۳: ۵۸۶۵-۵۸۸۶ (۲۰۱۸)
۲۸. F. Alvandifar, B. Ghaffari, N. Goodarzi, N. Shabani, Ravari, F. Karami, M. Amini, E. Souri, M.R. Khoshayand, M. Esfandyari-Manesh, Razieh MohammadJafari, F. Atyabi, S. Irani, R. Dinarvand, *Dual drug delivery system of PLGA nanoparticles to reverse drug resistance by altering BAX/Bcl- ۲*, **Journal of Drug Delivery Science and Technology**, ۴۷, ۲۹۱-۲۹۸ (۲۰۱۸)
۲۹. S.F. Sadati, A. Jamali A. Abdoli M. Abedi-Valugardi, S. Gholami S. Alipour S. Soleymani, M. Tavassoti Kheiri **F. Atyabi**, *Simultaneous formulation of influenza vaccine and chitosan nanoparticles within CpG oligodesoxi nucleotides leads to dose-sparing and protects against lethal challenge in the mouse model*, **Pathogens and Disease**, ۷۶(۸), ۲۰۱۸
۳۰. F. Zahir-Jouzani, M. Soleimani, M. Mahbod, F. Mottaghtalab, F. Vakhshite, E. Arefian, S. Shahhoseini, R. Dinarvand, **F. Atyabi**, *Corneal chemical burn treatment through a delivery system consisting of TGF- β ۱ siRNA: in vitro and in vivo*, **Drug Delivery and Translational Research**, ۸(۵), ۱۱۲۷-۱۱۳۸ (۲۰۱۸)

۳۱. G.R. Barbari, F. Dorkoosh, M. Amini, N. Bahari Javan, M. Sharifzadeh, **F. Atyabi**, S. Balalaie, N. Rafiee Tehrani, M. Rafiee Tehrani, *Synthesis and characterization of a novel peptide-grafted Cs and evaluation of its nanoparticles for the oral delivery of insulin, in vitro, and in vivo study*, **International Journal of Nanomedicine**, ۱۳, ۵۱۲۷-۵۱۳۸ (۲۰۱۸)
۳۲. N. Majidi Zolbanin, R. Jafari, J. Majidi, **F. Atyabi**, M. Yousefi, F. Jadidi-Niaragh, L. Aghebati-Maleki, D. Shanehbandi, M.S. Soltani Zangbar, A. Mohajjel Nayebi, *Targeted Co-Delivery of Docetaxel and cMET siRNA for Treatment of Mucin 1 Overexpressing Breast Cancer Cells*, **Advanced Pharmaceutical Bulletin**, ۸(۲): ۳۸۳-۳۹۳ (۲۰۱۸)
۳۳. F. S. MirzazadehTegie, M. Soleimani, A. Zakerian, M. Dinarvand, M. Amini, R. Dinarvand, E. Arefian, **F. Atyabi**, *Glutathione responsive chitosan-thiolated dextran conjugated miR-143 nanoparticles targeted with AS1411 aptamer for cancer treatment*, **Carbohydrate Polymers**, ۲۰۱, ۱۳۱-۱۴۰ (۲۰۱۸)
۳۴. G. Ghalamfarsa A. Rastegari **F. Atyabi**, H. Hassannia M. Hojjat- Farsangi A. Ghanbari E. Anvari J. Mohammadi G.R Azizi A. Masjedi M. Yousefi B. Yousefi J. Hadjati F. Jadidi- Niaragh, *Anti- angiogenic effects of CD44- specific siRNA- loaded nanoparticles in breast cancer- bearing mice*, **Cellular Physiology**, ۲۳۳(۱۰), ۷۱۶۵-۷۱۷۷ (۲۰۱۸)
۳۵. F. Zahir-Jouzani, N. Lupo, M. Hermann, F. Prüfert, **F. Atyabi**, A. Bernkop Schnürch, *Glycerol ester surfactants: Promising excipients to enhance the cell permeating properties of SEDDS*, **European Journal of Pharmaceutics and Biopharmaceutics**, ۱۲۹, ۱۵۴-۱۶۱ (۲۰۱۸)
۳۶. A. Lotfabadi, M.J. Hajipour, H. Derakhshankhah, A. Peirovi, S. Saffar, E. Shams, E. Fatemi, E. Barzegari, S. Sarvari, F. Moakedi, M. Ferdousi, **F. Atyabi**, A.A. Saboury, and R. Dinarvand, *Biomolecular Corona Dictates Aβ Fibrillation Process*, **ACS Chemical Neuroscience**, ۹(۷), ۱۷۲۵-۱۷۳۴ (۲۰۱۸)
۳۷. F. Zahir-Jouzani, J. Dominik Wolf, **F. Atyabi**, A. Bernkop-Schnürch, *In situ gelling and mucoadhesive polymers: why do they need each other?*, **Expert Opinion on Drug Delivery**, ۱۵(۱۰), ۱۰۰۷-۱۰۱۹ (۲۰۱۸)
۳۸. A. Assali, O. Akhavan, M. Adeli, S. Razzazan, R. Dinarvand, S. Zanganeh, M. Soleimani, M. Dinarvand, **F. Atyabi** *Multifunctional, core-shell nanoplatforms (gold@graphene oxide) with mediated NIR thermal therapy to promote miRNA delivery*, **Nanomedicine: Nanotechnology, Biology and Medicine**, ۱۴(۷), ۱۸۹۱-۱۹۰۳ (۲۰۱۸)

۳۹. F.S. Farvadi, M. H. Ghahremani, F. Hashemi, M.R. Hormozi-Nezhad, M. Raoufi, S. Zanganeh, **F. Atyabi**, R. Dinarvand, M. Mahmoudi, *Cell shape affects nanoparticle uptake and toxicity: An overlooked factor at the nanobio interfaces*, **Journal of Colloid and Interface Science**, ۵۳۱, ۲۴۵-۲۵۲ (۲۰۱۸)
۴۰. A. Assali, O. Akhavan, F. Mottaghitalab, M. Adeli, R. Dinarvand, S. Razzazan, E. Arefian, M. Soleimani, **F. Atyabi**, *Cationic graphene oxide nanoplatfrom mediates miR-1۰۱ delivery to promote apoptosis by regulating autophagy and stress*, **International Journal of Nanomedicine**, ۱۳, ۵۸۶۵-۵۸۸۶ (۲۰۱۸)
۴۱. B. Javan, **F. Atyabi**, M. Shahbazi, *Hypoxia-inducible bidirectional shRNA expression vector delivery using PEI/chitosan-TBA copolymers for colorectal Cancer gene therapy*, **Life Sciences**, ۲۰۲, ۱۴۰-۱۵۱ (۲۰۱۸)
۴۲. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Tissue engineering: Still facing a long way ahead*, **Journal of Controlled Release**, ۲۷۹, ۱۸۱-۱۹۷ (۲۰۱۸)
۴۳. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, A.R. Dehpour, M. Azhdarzadeh, M. Dinarvand, *Application of nanostructured lipid carriers: the prolonged protective effects for sesamol in in vitro and in vivo models of ischemic stroke via activation of PI3K signalling pathway*, **DARU Journal of Pharmaceutical Sciences**, ۲۲(۱), ۳۸-۴۷ (۲۰۱۸)
۴۴. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Ignoring the modeling approaches: Towards the shadowy paths in nanomedicine*, **Journal of Controlled Release**, ۲۸۰, ۵۸-۷۹ (۲۰۱۸)
۴۵. F. Zahir Jouzdani, F. Mottaghitalab, M. Dinarvand, **F. Atyabi**, *siRNA delivery for treatment of degenerative diseases, new hopes and challenges*, **Journal of Drug Delivery Science and Technology**, ۴۵, ۴۲۸-۴۴۱ (۲۰۱۸)
۴۶. P. Hassanzadeh, E. Arbabi, **F. Atyabi**, R. Dinarvand, *Ferulic acid-loaded nanostructured lipid carriers: A promising nanoformulation against the ischemic neural injuries*, **Life Sciences**, ۱۹۳, ۶۴-۷۶ (۲۰۱۸)
۴۷. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Linkers: The key elements for the creation of efficient nanotherapeutics*, **Journal of Controlled Release**, ۲۷۰, ۲۶۰-۲۶۷ (۲۰۱۸)
۴۸. H. Hashemi, S. Asgari, S. Shahhoseini, M. Mahbod, **F. Atyabi**, H. Bakhshandeh, A. H. Beheshtnejad, *Application of polycaprolactone nanofibers as patch graft in ophthalmology*, **Indian Journal of Ophthalmology**, ۶۶(۲), ۲۲۵-۲۲۸ (۲۰۱۸)

٤٩. F. Zahir Jouzdani, M. Mahbod, M. Soleimani, F. Vakhshiteh, E. Arefian, S. Shahosseini, R. Dinarvand, **F. Atyabi**, *Chitosan and thiolated chitosan: Novel therapeutic approach for preventing corneal haze after chemical injuries*, **Carbohydrate Polymers**, ١٧٩(١), ٤٢-٤٩ (٢٠١٨)
٥٠. F. Chaharband, G. Kamalinia, **F. Atyabi**, S.A. Mortazavi, Z. H. Mirzaie, R. Dinarvand, *Formulation and in vitro evaluation of curcumin-lactoferrin conjugated nanostructures for cancerous cells*, **Artificial Cells, Nanomedicine, and Biotechnology**, ٤٦(٢), ٦٢٦-٦٣٦(٢٠١٨)
٥١. Z. hadian, M. Maleki K. Abdi, **F. Atyabi**, A. Mohammadi, R. Khaksar, *Preparation and Characterization of Nanoparticle β -Cyclodextrin:Geraniol Inclusion Complexes*, **The Iranian Journal of Pharmaceutical Research (IJPR)**, ١٧(١), ٢٩-٥١ (٢٠١٨)
٥٢. A. Jamali, F. Mottaghtalab, A. Abdoli, M. Dinarvand, A. Esmailie, M. Tavassoti, Kheiri, **F. Atyabi**, *Inhibiting influenza virus replication and inducing protection against lethal influenza virus challenge through chitosan nanoparticles loaded by siRNA*, **Drug Deliv. and Transl. Res**, ٨(١), ١٢-٢٠ (٢٠١٨)
٥٣. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Nanoencapsulation: A Promising Strategy for Biomedical Applications of Ferulic Acid*, **Biomedical Reviews** ٢٨: ٢٢-٣٠ (٢٠١٧)
٥٤. P. Hassanzadeh , E. Arbabi , **F. Atyabi** , R. Dinarvand, *Carbon nanotubes provide longer lasting gastroprotective effects for anandamide in stress-induced gastric ulcer in rat*, **Physiology and Pharmacology**, ٢٢(١), ٣٨-٤٧(٢٠١٨)
٥٥. E. Gheytauchi, Z. Madjd, L. Janani, A. Rasti, R. Ghods, **F. Atyabi**, M. Hossein Asadi Lari, S. Babashah, *Exosomal microRNAs as potential circulating biomarkers in gastrointestinal tract cancers: a systematic review protocol*, **Systematic Reviews**, (٢٠١٧)
٥٦. P. Hassanzadeh , E. Arbabi , F. Rostami , **F. Atyabi** , R. Dinarvand, *Aerosol delivery of ferulic acid-loaded nanostructured lipid carriers: A promising treatment approach against the respiratory disorders*, **Physiology and Pharmacology**, ٢١(٤), ٢٣١-٢٤٢ (٢٠١٧)

۶۷. P. Hasanzadeh , E. Arbabi , **F. Atyabi** , R. Dinarvand, *Ferulic acid, a phenolic compound with therapeutic effects in neuropsychiatric disorders, stimulates the production of NGF and endocannabinoids in rat brain*, **Physiology and Pharmacology**, ۲۱(۴), ۲۷۹- ۲۹۴ (۲۰۱۷)
۶۸. F. Mottaghtalab, M. Kiani, M. Farokhi, S. C. Kundu, R. L. Reis, M. Gholami, H. Bardania, R. Dinarvand, P. Geramifar, D. Beiki, **F. Atyabi**, *Targeted Delivery System Based on Gemcitabine-Loaded Silk Fibroin Nanoparticles for Lung Cancer Therapy*, **ACS Appl. Mater. Interfaces**, ۹(۳۷), ۳۱۶۰-۳۱۶۱۱, (۲۰۱۷)
۶۹. M. Ghadiri , E. Vasheghani-Farahani, F. Atyabi , F. Kobarfard, H. Hosseinkhani, *In-Vitro Assessment of Magnetic Dextran-Spermine Nanoparticles for Capecitabine Delivery to Cancerous Cells*, **Iranian Journal of Pharmaceutical Research (IJPR)**, ۱۶(۴): ۱۳۲۰- ۱۳۳۴ (۲۰۱۷)
۷۰. M.J. Hajipour, F. Ghasemi, H. Aghaverdi, M. Raoufi, U. Linne, **F. Atyabi**, I. Nabipour, M. Azhdarzadeh, H. Derakhshankhah, A.R. Lotfabadi, A. Bargahi, Z. Alekhamis, A. Aghaie, E. Hashemi, A. Tafakhori, V. Aghamollaii, M. Mashhadi, S. Sheibani, H. Vali, M. Mahmoudi, *Sensing of Alzheimer's Disease and Multiple Sclerosis Using Nano-Bio Interfaces*, **Journal of Alzheimer's Disease**, ۵۹(۴), ۱۱۸۷- ۱۲۰۲ (۲۰۱۷)
۷۱. F. Zahir-Jouzani, **F. Atyabi**, N. Mojtavavi, *Interleukin- ۷ participation in pathology of ocular diseases*, **Pathophysiology**, ۲۴(۲), ۱۲۳- ۱۳۱ (۲۰۱۷)
۷۲. P. Norouzi, M. amini, F. Mottaghtalab, F. S. Mirzazadeh Tekie, R. Dinarvand, Z. Hadavand Mirzaie, **F. Atyabi**, *Design and fabrication of dual-targeted delivery system based on gemcitabine conjugated human serum albumin nanoparticles*, **Chemical Biology & Drug Design**, (۲۰۱۷)
۷۳. M. Ghadiri, E. Vasheghani-Farahani, F. Atyabi, F. Kobarfard, F. Mohamadyar-Toupkanlou, H. Hosseinkhani, *Transferrin-conjugated magnetic dextran-spermine nanoparticles for targeted drug transport across blood-brain barrier*, **Journal of Biomedical Materials Research Part A**, ۱۰۹(۱۰), ۲۸۵۱- ۲۸۶۴ (۲۰۱۷)
۷۴. Z. Malaei-Balasi, Gh. Amoabediny, D. Biria, **F. Atyabi**, N. Salehi-Nik, F. Haghirosadat, *Investigation of the Influence of Sucrose and Cholesterol on the Phase Transition Temperature of nanoliposomal formulation besides using particle size Reduction Techniques (Ultrasonication/High Pressure Homogenization)*, **Journal of Shahid Sadoughi University of Medical Sciences** ۲۹(۲), ۱۴۴- ۱۵۵ (۲۰۱۷)

٦٥. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Application of modelling and nanotechnology-based approaches: The emergence of breakthroughs in theranostics of central nervous system disorders*, **Life Sciences**, ١٨٢, ٩٣-١٠٣ (٢٠١٧)
٦٦. H. Hosseinzadeh, **F. Atyabi**, B. Shiri Varnamkhasti, R. Hosseinzadeh, S.N. Ostad, M.H. Ghahremani, R. Dinarvand, *SN²⁺ conjugated hyaluronic acid gold nanoparticles as a novel system against metastatic colon cancer cells*, **International Journal of Pharmaceutics**, ٥٢٦, ٣٣٩-٣٥٢ (٢٠١٧)
٦٧. P. Mahdaviani, S. Bahadorikhalili, M. Navaei-Nigjeh, S. Y. Vafaei, M. Esfandyari-Manesh, A.H. Abdolghaffari, Z. Daman, **F. Atyabi**, Mo.H. Ghahremani, M. Amini, A. Lavasanifar, R. Dinarvand. *Peptide functionalized poly ethylene glycol-poly caprolactone nanomicelles for specific cabazitaxel delivery to metastatic breast cancer cells*, **Materials Science and Engineering: C**, ٨٠, ٣٠١-٣١٢ (٢٠١٧)
٦٨. G.R. Barbari, F. Abedin Dorkoosh, M. Amini, M. Sharifzadeh, **F. Atyabi**, S. Balalaie, N. Rafiee Tehrani, M. Rafiee Tehrani. *A novel nanoemulsion-based method to produce ultrasmall, water-dispersible nanoparticles from chitosan, surface modified with cell-penetrating peptide for oral delivery of proteins and peptides*, **International Journal of Nanomedicine**. ١٢, ٣٤٧١-٣٤٨٣ (٢٠١٧)
٦٩. F. Mottaghitlab, A Rastegari, M. Farokhi, R. Dinarvffgand, H. Hosseinkhani, K.L. Ou, D. W. Pack, C. Mao, h, M. Dinarvand, Y. Fatahi, F. Atyabi, *Prospects of siRNA applications in regenerative medicine*, **International Journal of Pharmaceutics**. ٥٢٤, ٣١٢-٣٢٩ (٢٠١٧)
٧٠. P. Dadras, **F. Atyabi**, S. Irani, L. Ma'mani, A. Foroumadi, Z. Hadavand Mirzaie, M. Ebrahimi, R. Dinarvand, *Formulation and evaluation of targeted nanoparticles for breast cancer theranostic system*, **European Journal of Pharmaceutical Sciences**. ٩٧, ٤٧-٥٤ (٢٠١٧)
٧١. F. Jadidi-Niaragh, **F. Atyabi**, A. Rastegari, N. Kheshtchin, S. Arab, H. Hassannia, M. Ajami, Z. Mirsanei, S. Habibi, F. Masoumi, F. Noorbakhsh, F. Shokri, J. Hadjati, *CD⁴⁴ specific siRNA loaded chitosan lactate nanoparticles potentiate the antitumor effect of a dendritic cell vaccine in ٤T¹ breast cancer bearing mice*, **Journal of Controlled Release**. ٢٤٦, ٤٦-٥٩ (٢٠١٧)

۷۲. M. Mahmoudi Saber, S. Bahrainian, R. Dinarvand, **F. Atyabi**, *Targeted drug delivery of Sunitinib Malate to tumor blood vessels by cRGD-chitosan-gold nanoparticles. International Journal of Pharmaceutics.* ۵۱۷, ۲۶۹-۲۷۸ (۲۰۱۷)
۷۳. N. Tasharrofi, F. Kouhkan, M. Soleimani, Z.S. Soheili, **F. Atyabi**, H. Akbari Javar, F.A. Dorkoosh. *Efficient gene delivery to primary human retinal pigment epithelial cells: The innate and acquired properties of vectors, International Journal of Pharmaceutics.* ۵۱۸, ۶۶-۷۹ (۲۰۱۷)
۷۴. P. Hassanzadeh, E. Arbabi, **F. Atyabi**, R Dinarvand, *Application of carbon nanotubes as the carriers of the cannabinoid, γ -arachidonoylglycerol: Towards a novel treatment strategy in colitis. Life Sciences.* ۱۷۹, ۶۶-۷۲ (۲۰۱۷)
۷۵. N. Gandomi, R. Varshochian, F. Atyabi, M.H. Ghahremani, M. Sharifzadeh, M. Amini, R. Dinarvand, *Solid lipid nanoparticles surface modified with anti-Contactin γ or anti-Neurofascin for brain targeted delivery of medicines, Pharmaceutical Development and Technology.* ۲۲, ۴۲۶-۴۳۵ (۲۰۱۷)
۷۶. P Hassanzadeh, E. Arbabi, , **F. Atyabi**, R. Dinarvand. *Nerve growth factor-carbon nanotube complex exerts prolonged protective effects in an in vitro model of ischemic stroke. Life Sciences.* ۱۷۹, ۱۵-۲۲ (۲۰۱۷)
۷۷. F.S. Mirzazadeh Tekie, M. Kiani, A. Zakerian, F. Pilevarian, A. Asali, M. Soleimani, R. Dinarvand, E. Arefian, A. Atashi, M. Amini, **F. Atyabi**, *Nano polyelectrolyte complexes of carboxymethyl dextran and chitosan to improve chitosan-mediated delivery of miR-۱۴۵, Carbohydrate Polymers.* ۱۵۹, ۶۶-۷۵ (۲۰۱۷)
۷۸. P. Hassanzadeh, E. Arbabi, **F. Atyabi**, R. Dinarvand. *Ferulic acid exhibits antiepileptogenic effect and prevents oxidative stress and cognitive impairment in the kindling model of epilepsy. Life Sciences.* ۱۷۹, ۹-۱۴ (۲۰۱۷)
۷۹. P. Eivazy, **F. Atyabi**, F. Jadidi-Niaragh, L. Aghebati Maleki, A. Miahipour, J. Abdolalizadeh, et al. *The impact of the codelivery of drug-siRNA by trimethyl chitosan nanoparticles on the efficacy of chemotherapy for metastatic breast cancer cell line (MDA-MB-۲۳۱). Artificial cells, nanomedicine, and biotechnology.* ۴۵, ۸۸۹-۸۹۶ (۲۰۱۷)
۸۰. M. Mehdizadeh, H. Rouhani, N. Sepehri, R. Varshochian, MH. Ghahremani, M. Amini, **F. Atyabi** et al. *Biotin decorated PLGA nanoparticles containing SN-۳۸ designed for cancer therapy. Artificial cells, nanomedicine, and biotechnology.* ۴۵, ۹۹۵-۱۰۰۴ (۲۰۱۷)

۸۱. M.K. Khoeniha, M. Esfandyari-Manesh, H. Behrouz, M. Amini, B.S. Varnamkhasti, **F. Atyabi**, R. Dinarvand. *Targeted delivery of cabazitaxel by conjugation to albumin-PEG-folate nanoparticles using a cysteine-acrylate linker and simple synthesis conditions*, **Current Drug Delivery**. ۱۴(۸), ۱۱۲۰-۱۱۲۹ (۲۰۱۷)
۸۲. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Application of Carbon Nanotubes for Controlled Release of Growth Factors or Endocannabinoids: A Breakthrough in Biomedicine*. **Biomedical Reviews**. ۲۷: ۴۱-۴۹ (۲۰۱۶)
۸۳. P. Hassanzadeh, **F. Atyabi**, R. Dinarvand, *Creation of Nanorobots: Both State-of-the-Science and State-of-the-Art*. **Biomedical Reviews**. ۲۷, ۱۹-۲۶ (۲۰۱۶)
۸۴. A. Al-Qushawi, A. Rassouli, F. Atyabi, S.M. Peighambari, M. Esfandyari-Manesh, G.R. Shams, A. Yazdani. *Preparation and Characterization of Three Tilmicosin-loaded Lipid Nanoparticles: Physicochemical Properties and in-vitro Antibacterial Activities*, **Iranian Journal of Pharmaceutical Research**, ۱۵, ۶۶۳-۶۷۶ (۲۰۱۶)
۸۵. M. Esfandyari-Manesh, A. Mohammadi, **F. Atyabi**, S. M. Nabavi, S. M. Ebrahimi, E. Shahmoradi, B. Shiri Varnamkhasti, M. H. Ghahremani, R. Dinarvand. *Specific targeting delivery to MUC ۱ overexpressing tumors by albumin-chitosan nanoparticles conjugated to DNA aptamer*, **International Journal of Pharmaceutics**. ۵۱۵, ۶۰۷-۶۱۵ (۲۰۱۶)
۸۶. V. Alinejad M. Hossein Somi, B. Baradaran, P. Akbarzadeh, **F. Atyabi**, H. Kazerooni, H. Samadi Kafil, L. Aghebati Maleki, H. Siah Mansouri, M. Yousefi, *Co-delivery of IL ۱ β RB siRNA and doxorubicin by chitosan-based nanoparticles for enhanced anticancer efficacy in breast cancer cells*, **Biomedicine & Pharmacotherapy**. ۸۳, ۲۲۹-۲۴۰ (۲۰۱۶)
۸۷. N.S. Hosseini Motlagh, P. Parvin, F. Ghasemi, **F. Atyabi**, S. Jelvani, S. Abolhosseini. *Laser induced fluorescence spectroscopy of chemo-drugs as biocompatible fluorophores: irinotecan, gemcitabine and navelbine*. **Laser Physics Letters**, ۱۳(۲۰۱۶)
۸۸. Z. H. Mirzaie, S. Irani, R. Mirfakhraie, S. M. Atyabi, M. Dinarvand, R. Dinarvand, R. Varshochian, **F. Atyabi**, *Docetaxel-Chitosan nanoparticles for breast cancer treatment: cell viability and gene expression study*, **Chemical Biology & Drug Design**, ۸۸, ۸۵۰-۸۵۸ (۲۰۱۶)

۸۹. A. Razzazan, **F. Atyabi**, B. Kazemi, R. Dinarvand, *Influence of PEG Molecular Weight on Drug Delivery of Gemcitabine Conjugated to SWCNT-PEG*. **Current Drug Delivery**. ۱۳, ۱۵۶۷-۲۰۱۸ (۲۰۱۶)
۹۰. Z.H. Mirzaie, S. Irani, **F. Atyabi**, *Comparison of cytotoxicity chitosan- docetaxel nanoparticles and free drug on MDA-MB-۲۳۱ breast cancer cells*. **Razi Journal of Medical Sciences, Iran University of Medical Sciences**. ۲۳, ۹-۱۸ (۲۰۱۶)
۹۱. N. Shabani Ravari, N. Goodarzi, F. Alvandifar, M. Amini, E. Souri, MR. Khoshayand, ZH. Mirzaie, **F. Atyabi**, R. Dinarvand. *Fabrication and biological evaluation of chitosan coated hyaluronic acid-docetaxel conjugate nanoparticles in CD ۴۴+ cancer cells*. **DARU Journal of Pharmaceutical Sciences** ۲۴, ۱-۱۲ (۲۰۱۶)
۹۲. A. Rasouli, A. Al-Qushawi, F. Atyabi, SM. Peighambari, M. Esfandiari-Manesh, GR. Shamsi, *Pharmacokinetics and bioavailability of three promising tilmicosin-loaded lipid nanoparticles in comparison with tilmicosin phosphate following oral administration in broiler chickens*, **Turkish Journal of Veterinary and Animal Sciences** ۴۰: ۵۴۰-۵۴۷ (۲۰۱۶)
۹۳. H. Siahmansouri, MH. Somi, Z. Babaloo, B. Baradaran, F. Jadidi-Niaragh, F. Atyabi, H. Mohammadi, M. Ahmadi, M. Yousefi. *Effects of HMGA ۲ siRNA and doxorubicin dual delivery by chitosan nanoparticles on cytotoxicity and gene expression of HT-۲۹ colorectal cancer cell line*. **Journal of Pharmacy and Pharmacology**. ۶۸, ۱۱۱۹-۱۱۳۰ (۲۰۱۶)
۹۴. M. Hajimiri, S. Shahverdi, MA. Esfandiari, B. Larijani, **F. Atyabi**, A. Rajabiani, AR. Dehpour, M. Amini, R. Dinarvand, *Preparation of hydrogel embedded polymer-growth factor conjugated nanoparticles as a diabetic wound dressing*. **Drug Development and Industrial Pharmacy**. ۴۲, ۷۰۷-۷۱۹ (۲۰۱۶)
۹۵. NSH. Motlagh, P. Parvin, F. Ghasemi, **F. Atyabi**. *Fluorescence properties of several chemotherapy drugs: doxorubicin, paclitaxel and bleomycin*. **Biomedical Optics Express**. ۷, ۲۴۰۰-۷ (۲۰۱۶)
۹۶. P. Hassanzadeh, E. Arbabi, F. Atyabi, R. Dinarvand *Carbon nanotube-anandamide complex exhibits sustained protective effects in an in vitro model of stroke*. **Physiology and Pharmacology**. ۲۰, ۱۲-۲۳ (۲۰۱۶)

97. A. Razzazan, **F. Atyabi**, B. Kazemi, R. Dinarvand, *In vivo drug delivery of gemcitabine with PEGylated single-walled carbon nanotubes*, **Materials Science and Engineering: C**, 72, 714-720 (2017)
98. Z. Hesari, M. Soleimani, **F. Atyabi**, M. Sharifdini, S. Nadri, M. Ebrahimi Warkiani, M. Zare, R. Dinarvand, *A hybrid microfluidic system for regulation of neural differentiation in induced pluripotent stem cells*, **Journal of Biomedical Materials Research Part A**, 104, 1034-43 (2017)
99. M. Azhdarzadeh, **F. Atyabi**, A. A. Saei, B. Shiri Varnamkhasti, Y. Omidi, M. Fateh, M. Ghavami, S. Shanehsazzadeh, R. Dinarvand, *Theranostic MUC-1 aptamer targeted gold coated superparamagnetic iron oxide nanoparticles for magnetic resonance imaging and photothermal therapy of colon cancer*, **Colloids and Surfaces B: Biointerfaces**, 143, 224-232 (2017)
100. H. Behrouz, M. Esfandyari-Manesh, M. K. Khoeniha, M. Amini, B. Shiri Varnamkhasti, **F. Atyabi**, R. Dinarvand. *Enhanced cytotoxicity to cancer cells by co-delivery and controlled release of paclitaxel-loaded sirolimus conjugated albumin nanoparticles*, **Chemical Biology & Drug Design**, 11, 230-240 (2017)
101. M. Esfandyari-Manesh, B. Darvishi, F. Azizi Ishkuh, E. Shahmoradi, A. Mohammadi, M. Javanbakht, R. Dinarvand, **F. Atyabi**, *Paclitaxel molecularly imprinted polymer-PEG-folate nanoparticles for targeting anticancer delivery; characterization and cellular cytotoxicity*. **Materials Science and Engineering: C**, 72, 727-733 (2017)
102. S.Y. Vafaei, M. Esmaeili, M. Amini, **F. Atyabi**, S.N. Ostad, R. Dinarvand *Self assembled Hyaluronic acid nanoparticles as a potential carrier for targeting the inflamed intestinal mucosa*. **Carbohydrate Polymers**, 144, 371-381 (2017)
103. M. Kiani, F. Mirzazadeh, M. Dinarvand, M. Soleimani, R. Dinarvand, **F. Atyabi**, *Thiolated carboxymethyl dextran as a nanocarrier for colon delivery of hSET1 antisense: In vitro stability and efficiency study*. **Materials Science and Engineering: C**, 72, 771-778 (2017)
104. A. Razzazan, **F. Atyabi**, B. Kazemi, R. Dinarvand, *Influence of PEG Molecular Weight on the Drug Release and In Vitro Cytotoxicity of Single-Walled Carbon Nanotubes-PEG-Gemcitabine Conjugates*. **Europe PMC plus**, 13, 1313-1324 (2017)
105. P. Hassanzadeh, E. Arbabi, **F. Atyabi**, R. Dinarvand, *The endocannabinoid system and NGF are involved in the mechanism of action of resveratrol: a multi-target*

nutraceutical with therapeutic potential in neuropsychiatric disorders.

Psychopharmacology. ۲۳۳, ۱۰۸۷-۱۰۹۶ (۲۰۱۶)

۱۰۶. S. Mirsadeghi, S. Shanehsazzadeh, **F. Atyabi**, R. Dinarvand, *Effect of PEGylated superparamagnetic iron oxide nanoparticles (SPIONs) under magnetic field on amyloid beta fibrillation process.* **Materials Science and Engineering C.** ۵۹, ۳۹۰-۳۹۷ (۲۰۱۶)
۱۰۷. F. Jadidi-Niaragh, **F. Atyabi**, A. Rastegari, E. Mollarazi, M. Kiani, A. Razavi, M. Yousefi, N. Kheshtchin, H. Hassannia, J. Hadjati, F. Shokri, *Downregulation of CD ۷۳ in $\xi T ۱$ breast cancer cells through siRNA-loaded chitosan-lactate nanoparticles.* **Tumor Biology,** ۳۷, ۸۴۰۳-۸۴۱۲ (۲۰۱۶)
۱۰۸. N. Nateghian, N. Goodarzi, M. Amini, **F. Atyabi**, M. R. Khorramizadeh, R. Dinarvand, *Biotin/Folate decorated human serum albumin-nanoparticles of docetaxel: Comparison of chemically conjugated nanostructures and physically loaded nanoparticles for targeting of breast cancer.* **Chemical biology & drug design,** ۸۷, ۶۹-۸۲ (۲۰۱۶)
۱۰۹. M. Hajimiri, S. Shahverdi, M. A. Esfandiari, B. Larijani, **F. Atyabi**, A. Rajabiani, A. R. Dehpour, M. Amini, R. Dinarvand, *Preparation of hydrogel embedded polymer-growth factor conjugated nanoparticles as a diabetic wound dressing.* **Drug development and industrial pharmacy,** ۴۲, ۷۰۷-۷۱۹ (۲۰۱۶).
۱۱۰. P. Hassanzadeh, E. Arbabi, F. Rostami, **F. Atyabi**, R. Dinarvand, *Carbon nanotubes prolong the regulatory action of nerve growth factor on the endocannabinoid signaling.* **Physiol Pharmacol.** ۱۹, ۱۶۷-۱۷۶ (۲۰۱۵)
۱۱۱. F.S. Mirzazadeh Tekie, **F. Atyabi**, M. Soleimanic, E. Arefian, A. Atashi, M. Kiani, M.R. Khoshayand, M. Amini, R. Dinarvand. *Chitosan polyplex nanoparticle vector for miR- ۱۴۵ expression in MCF- ۷: Optimization by design of experiment.* **International Journal of Biological Macromolecules.** ۸۱, ۸۲۸-۸۳۷ (۲۰۱۵)
۱۱۲. B. S. Varnamkhasti, H. Hosseinzadeh, M. Azhdarzadeh, S. Y. Vafaei, M. Esfandyari-Manesh, Z. H. Mirzaie, M. Amini, S. N. Ostad, **F. Atyabi**, R. Dinarvand, *Protein corona hampers targeting potential of MUC ۱ aptamer functionalized SN- ۳۸ core-shell nanoparticles.* **International Journal of Pharmaceutics,** ۴۹۴, ۴۳۰-۴۴۴ (۲۰۱۵)
۱۱۳. Z. Bahrami, A. Badiei, **F. Atyabi**, H. R. Darabi, B. Mehravi, *Piperazine and its carboxylic acid derivatives-functionalized mesoporous silica as nanocarriers for*

gemcitabine: Adsorption and release study. Materials Science and Engineering: C 49, 77-78 (2010)

114. R. Varshochian, M. Riazi-Esfahani, M. Jeddi-Tehrani, A. R. Mahmoudi, S. Aghazadeh, M. Mahbod, M. Movassat, **F. Atyabi**, A. Sabzevari, R. Dinarvand, *Albuminated PLGA nanoparticles containing bevacizumab intended for ocular neovascularization treatment. Journal of Biomedical Materials Research Part A*, 103, 3148-3157 (2010).
115. N. Soleimani, A. M. Mobarez, M. S. J. Olia, **F. Atyabi**, *Synthesis, Characterization and Effect of the Antibacterial Activity of Chitosan Nanoparticles on Vancomycin-Resistant Enterococcus and Other Gram Negative or Gram Positive Bacteria. Int. J. Pure Appl. Sci. Technol* 26, 14-23 (2010).
116. S. Sharifi, H. Seyednejad, S. Laurent, **F. Atyabi**, A. A. Saei, M. Mahmoudi, *Superparamagnetic iron oxide nanoparticles for in vivo molecular and cellular imaging. Contrast media & molecular imaging*, 10, 329-330 (2010).
117. M. Norouzi, I. Shabani, **F. Atyabi**, M. Soleimani, *EGF-loaded nanofibrous scaffold for skin tissue engineering applications. Fibers and Polymers* 17, 782-787 (2010).
118. Z. Nasrollahi, S. R. Mohammadi, E. Mollarazi, M. H. Yadegari, Z. M. Hassan, F. Talaei, R. Dinarvand, H. Akbari, **F. Atyabi**, *Functionalized nanoscale β -1, 3-glucan to improve Her 2+ breast cancer therapy: In vitro and in vivo study. Journal of Controlled Release* 202, 49-57 (2010).
119. F. Mottaghitlab, M. Farokhi, M. A. Shokrgozar, **F. Atyabi**, H. Hosseinkhani, *Silk fibroin nanoparticle as a novel drug delivery system. Journal of Controlled Release* 207, 171-177 (2010).
120. F. Mottaghitlab, M. Farokhi, **F. Atyabi**, R. Omidvar, M. A. Shokrgozar, M. Sadeghizadeh, *The effect of fibronectin on structural and biological properties of single walled carbon nanotube. Applied Surface Science* 239, 80-93 (2010).
121. E. Mollarazi, A. R. Jalilian, F. Johari-daha, **F. Atyabi**, *Development of ^{125}I -folate-polyethyleneimine-conjugated chitosan nanoparticles for targeted therapy. Journal of Labelled Compounds and Radiopharmaceuticals* 54, 327-330 (2010).
122. S. Mirsadeghi, R. Dinarvand, M. H. Ghahremani, M. R. Hormozi-Nezhad, Z. Mahmoudi, M. J. Hajipour, **F. Atyabi**, M. Ghavami, M. Mahmoudi, *Protein corona composition of gold*

nanoparticles/nanorods affects amyloid beta fibrillation process. *Nanoscale* 7, 000-0013 (2015).

122. O. Mirdailami, M. Soleimani, R. Dinarvand, M. R. Khoshayand, M. Norouzi, A. Hajarizadeh, M. Dodel, **F. Atyabi**, *Controlled release of rhEGF and rhbFGF from electrospun scaffolds for skin regeneration. Journal of Biomedical Materials Research Part A*, 103, 3374-3380 (2015).
123. M. Kordezangeneh, S. Irani, R. Mirfakhraie, M. Esfandyari-Manesh, **F. Atyabi**, R. Dinarvand, *Regulation of BAX/BCL2 gene expression in breast cancer cells by docetaxel-loaded human serum albumin nanoparticles. Medical Oncology* 32, 1-9 (2015).
124. N. Khoramabadi, A. Mohabati Mobarez, H. Aghababa, B. Behmanesh, B. Tabaraie, **F. Atyabi**, *rBCSP21 Antibody Response in Patients with Brucellosis: A Candidate for Brucella Vaccine. Medical Laboratory Journal* 4, 37-42 (2015).
125. G. Kamalinia, F. Khodagholi, F. Shaerzadeh, F. Tavssolian, F. Chaharband, **F. Atyabi**, M. Sharifzadeh, M. Amini, R. Dinarvand, *Cationic albumin conjugated chelating agent as a novel brain drug delivery system in neurodegeneration. Chemical biology & drug design*, 17, 1203-1214 (2015).
126. Z. Ghasemi, R. Dinarvand, F. Mottaghtalab, M. Esfandyari-Manesh, E. Sayari, **F. Atyabi**, *Aptamer decorated hyaluronan/chitosan nanoparticles for targeted delivery of 5-fluorouracil to MUC1 overexpressing adenocarcinomas. Carbohydrate polymers* 121, 190-198 (2015).
127. M. Esfandyari-Manesh, S. H. Mostafavi, R. F. Majidi, M. N. Koopaei, N. S. Ravari, M. Amini, B. Darvishi, S. N. Ostad, **F. Atyabi**, R. Dinarvand, *Improved anticancer delivery of paclitaxel by albumin surface modification of PLGA nanoparticles. DARU Journal of Pharmaceutical Sciences* 23, 24 (2015).
128. M. Dinarvand, M. Kiani, F. Mirzazadeh, A. Esmaeili, Z. Mirzaie, M. Soleimani, R. Dinarvand, **F. Atyabi**, *Oral delivery of nanoparticles containing anticancer SN38 and hSET1 antisense for dual therapy of colon cancer. International journal of biological macromolecules* 74, 112-121 (2015).
129. B. Darvishi, S. Manoochehri, G. Kamalinia, N. Samadi, M. Amini, S. H. Mostafavi, S. Maghazei, **F. Atyabi**, R. Dinarvand, *Preparation and Antibacterial Activity Evaluation of 1,4-β-glycyrrhetic Acid Loaded PLGA Nanoparticles. Iranian journal of pharmaceutical research: IJPR* 14, 373 (2015).

131. B. Darvishi, S. Manoochehri, M. Esfandyari-Manesh, N. Samadi, M. Amini, **F. Atyabi**, R. Dinarvand, *Enhanced Cellular Cytotoxicity and Antibacterial Activity of β -Glycyrrhetic Acid by Albumin-conjugated PLGA Nanoparticles*. **Drug research**, 70, 717-723 (2010).
132. S. Behzadi, F. Ghasemi, M. Ghalkhani, A. A. Ashkarran, S. M. Akbari, S. Pakpour, M. R. Hormozi-Nezhad, Z. Jamshidi, S. Mirsadeghi, **F. Atyabi**, R. Dinarvand, *Determination of nanoparticles using UV-Vis spectra*. **Nanoscale** 7, 0132-0139 (2010).
133. M. Alibolandi, F. Sadeghi, K. Abnous, **F. Atyabi**, M. Ramezani, F. Hadizadeh, *The chemotherapeutic potential of doxorubicin-loaded PEG-b-PLGA nanopolymersomes in mouse breast cancer model*. **European Journal of Pharmaceutics and Biopharmaceutics** 92, 021-031 (2010).
134. M. Alibolandi, M. Ramezani, K. Abnous, F. Sadeghi, **F. Atyabi**, M. Asouri, A. A. Ahmadi, F. Hadizadeh, *In vitro and in vivo evaluation of therapy targeting epithelial-cell adhesion-molecule aptamers for non-small cell lung cancer*. **Journal of Controlled Release** 209, 11100 (2010).
135. R. Varshochian, H. Hosseinzadeh, N. Gandomi, F. Tavassolian, **F. Atyabi**, R. Dinarvand, *Utilizing liposomes and lipid nanoparticles to overcome challenges in breast cancer treatment*. **Clinical Lipidology** 9, 071-080 (2011).
136. F. Tavassolian, G. Kamalinia, H. Rouhani, M. Amini, S. N. Ostad, M. R. Khoshayand, **F. Atyabi**, M. R. Tehrani, R. Dinarvand, *Targeted poly (l- γ -glutamyl glutamine) nanoparticles of docetaxel against folate over-expressed breast cancer cells*. **International journal of pharmaceutics** 417, 122-131 (2011).
137. A. Tahamtan, A. Tabarraei, A. Moradi, M. Dinarvand, M. Kelishadi, A. Ghaemi, **F. Atyabi**, *Chitosan nanoparticles as a potential nonviral gene delivery for HPV-16E7 into mammalian cells*. **Artificial cells, nanomedicine, and biotechnology**, 1-7 (2011).
138. A. Tahamtan, A. Ghaemi, A. Gorji, H. R. Kalhor, A. Sajadian, A. Tabarraei, A. Moradi, **F. Atyabi**, M. Kelishadi, *Antitumor effect of therapeutic HPV DNA vaccines with chitosan-based nanodelivery systems*. **Journal of biomedical science** 21, 1-10 (2011).
139. N. Soleimani, A. Mohabati-Mobarez, **F. Atyabi**, Z. Hasan-Saraf, M.-A. Haghghi, *Preparation of chitosan nanoparticles carrying recombinant Helicobacter pylori neutrophil-activating protein*. **J Mazandaran Univ Med Sci** 23, 132-138 (2011).

۱۴۰. S. Shahverdi, M. Hajimiri, M. A. Esfandiari, B. Larijani, **F. Atyabi**, A. Rajabiani, A. R. Dehpour, A. A. Gharehaghaji, R. Dinarvand, *Fabrication and structure analysis of poly (lactide-co-glycolic acid)/silk fibroin hybrid scaffold for wound dressing applications. International journal of pharmaceutics* ۴۷۳, ۳۴۵-۳۵۵ (۲۰۱۴).
۱۴۱. N. Sepehri, H. Rouhani, F. Tavassolian, H. Montazeri, M. R. Khoshayand, M. H. Ghahremani, S. N. Ostad, **F. Atyabi**, R. Dinarvand, *SN^{3A} polymeric nanoparticles: In vitro cytotoxicity and in vivo antitumor efficacy in xenograft balb/c model with breast cancer versus irinotecan. International journal of pharmaceutics* ۴۷۱, ۴۸۵-۴۹۷ (۲۰۱۴).
۱۴۲. E. Sayari, M. Dinarvand, M. Amini, M. Azhdarzadeh, E. Mollarazi, Z. Ghasemi, **F. Atyabi**, *MUC¹ aptamer conjugated to chitosan nanoparticles, an efficient targeted carrier designed for anticancer SN^{3A} delivery. International journal of pharmaceutics* ۴۷۳, ۳۰۴-۳۱۵ (۲۰۱۴).
۱۴۳. H. Rouhani, N. Sepehri, H. Montazeri, M. R. Khoshayand, M. H. Ghahremani, S. N. Ostad, **F. Atyabi**, R. Dinarvand, *Zinc protoporphyrin polymeric nanoparticles: potent heme oxygenase inhibitor for cancer therapy. Pharmaceutical research* ۳۱, ۲۱۲۴-۲۱۳۹ (۲۰۱۴).
۱۴۴. O. Mirdailami, M. R. Khoshayand, M. Soleimani, R. Dinarvand, **F. Atyabi**, *Release optimization of epidermal growth factor from PLGA microparticles. Pharmaceutical development and technology* ۱۹, ۵۳۹-۵۴۷ (۲۰۱۴).
۱۴۵. S. J. Malek, R. Khoshchereh, N. Goodarzi, M. R. Khoshayand, M. Amini, **F. Atyabi**, M. Esfandyari-manesh, S. Tehrani, R. M. Jafari, M. S. Maghazei, *cis-Dichlorodiamminoplatinum (II) glyconanoparticles by drug-induced ionic gelation technique targeted to prostate cancer: Preparation, optimization and in vitro characterization. Colloids and Surfaces B: Biointerfaces* ۱۲۲, ۳۵۰-۳۵۸ (۲۰۱۴).
۱۴۶. E. Malakooty Poor, M. Baghaban Eslaminejad, N. Gheibi, F. Bagheri, **F. Atyabi**, *Chitosan-pDNA nanoparticle characteristics determine the transfection efficacy of gene delivery to human mesenchymal stem cells. Artificial cells, nanomedicine, and biotechnology* ۴۲, ۳۷۶-۳۸۴ (۲۰۱۴).
۱۴۷. M. Mahbod, S. Shahhoseini, M. Khabazkhoob, A.-H. Beheshtnejad, H. Bakhshandeh, **F. Atyabi**, H. Hashemi, *Amniotic Membrane Extract Preparation: What is the Best Method? Journal of ophthalmic & vision research* ۹, ۳۱۴ (۲۰۱۴).

148. M. N. Koopaei, M. R. Khoshayand, S. H. Mostafavi, M. Amini, M. R. Khorramizadeh, M. J. Tehrani, **F. Atyabi**, R. Dinarvand, *Docetaxel loaded PEG-PLGA nanoparticles: optimized drug loading, in-vitro cytotoxicity and in-vivo antitumor effect. Iranian journal of pharmaceutical research: IJPR* 13, 819 (2014).
149. N. Khoramabadi, A. Mohabati Mobarez, B. Tabaraie, M. Behmanesh, **F. Atyabi**, H. Aghababa, *The Assessment of Cytokine and Antibody Responses to Recombinant 31kDa Brucella Cell-Surface Protein in Brucella Abortus Infected Mouse Model. Journal of Fasa University of Medical Sciences* 4, 34-41 (2014).
150. N. Khanbanha, **F. Atyabi**, A. Taheri, F. Talaie, M. Mahbod, R. Dinarvand, *Healing Efficacy of an EGF Impregnated Triple Gel Based Wound Dressing: In Vitro and In Vivo Studies. BioMed research international* 2014, (2014).
151. F. A. Ishkuh, M. Javanbakht, M. Esfandyari-Manesh, R. Dinarvand, **F. Atyabi**, *Synthesis and characterization of paclitaxel-imprinted nanoparticles for recognition and controlled release of an anticancer drug. Journal of Materials Science* 49, 7343-7352 (2014).
152. N. Goodarzi, M. H. Ghahremani, M. Amini, **F. Atyabi**, S. N. Ostad, N. Shabani Ravari, N. Nateghian, R. Dinarvand, *CD44-Targeted Docetaxel Conjugate for Cancer Cells and Cancer Stem-Like Cells: A Novel Hyaluronic Acid-Based Drug Delivery System. Chemical biology & drug design* 13, 741-752 (2014).
153. N. M. Dinan, **F. Atyabi**, M.-R. Rouini, M. Amini, A.-A. Golabchifar, R. Dinarvand, *Doxorubicin loaded folate-targeted carbon nanotubes: preparation, cellular internalization, in vitro cytotoxicity and disposition kinetic study in the isolated perfused rat liver. Materials Science and Engineering: C* 39, 47-55 (2014).
154. Z. Bahrami, A. Badiei, **F. Atyabi**, *Surface functionalization of SBA-10 nanorods for anticancer drug delivery. Chemical Engineering Research and Design* 92, 1297-1303 (2014).
155. E. Aboutaleb, **F. Atyabi**, M. R. Khoshayand, A. R. Vatanara, S. N. Ostad, F. Kobarfard, R. Dinarvand, *Improved brain delivery of vincristine using dextran sulfate complex solid lipid nanoparticles: Optimization and in vivo evaluation. Journal of Biomedical Materials Research Part A* 102, 2125-2137 (2014).

107. J. Varshosaz, S. Ghaffari, S. Mirshojaei, A. Jafarian, **F. Atyabi**, F. Kobarfard, S. Azarmi, *Biodistribution of amikacin solid lipid nanoparticles after pulmonary delivery. **BioMed research international** 2013, (2013).*
108. R. Varshochian, M. Jeddi-Tehrani, A. R. Mahmoudi, M. R. Khoshayand, **F. Atyabi**, A. Sabzevari, M. R. Esfahani, R. Dinarvand, *The protective effect of albumin on bevacizumab activity and stability in PLGA nanoparticles intended for retinal and choroidal neovascularization treatments. **European Journal of Pharmaceutical Sciences** 50, 341-352 (2013).*
109. F. Talaei, **F. Atyabi**, M. Azhdarzadeh, R. Dinarvand, A. Saadatzaheh, *Overcoming therapeutic obstacles in inflammatory bowel diseases: a comprehensive review on novel drug delivery strategies. **European Journal of Pharmaceutical Sciences** 49, 112-122 (2013).*
110. F. Talaei, **F. Atyabi**, *Anti-aging effects of Ketanserin; Ketanserin extends lifespan in female drosophila, inhibits cellular senescence and promotes wound healing in-vitro. **Annu Rev Res Biol** 3, 111-122 (2013).*
111. S. Saremi, R. Dinarvand, A. Kebriaeezadeh, S. N. Ostad, **F. Atyabi**, *Enhanced oral delivery of docetaxel using thiolated chitosan nanoparticles: preparation, in vitro and in vivo studies. **BioMed research international** 2013, (2013).*
112. A. Sabzevari, K. Adibkia, H. Hashemi, A. Hedayatfar, N. Mohsenzadeh, **F. Atyabi**, M. H. Ghahremani, R. Dinarvand, *Polymeric triamcinolone acetonide nanoparticles as a new alternative in the treatment of uveitis: In vitro and in vivo studies. **European Journal of Pharmaceutics and Biopharmaceutics** 44, 73-79 (2013).*
113. A. Sabzevari, K. Adibkia, H. Hashemi, B. G. De Geest, N. Mohsenzadeh, **F. Atyabi**, M. H. Ghahremani, M.-R. Khoshayand, R. Dinarvand, *Improved Anti-Inflammatory Effects in Rabbit Eye Model Using Biodegradable Poly Beta-Amino Ester Nanoparticles of Triamcinolone Acetonide Triamcinolone Acetonide Anti-Inflammatory Effects. **Investigative ophthalmology & visual science** 54, 5020-5026 (2013).*
114. M. Norouzi, M. Soleimani, I. Shabani, **F. Atyabi**, H. H. Ahvaz, A. Rashidi, *Protein encapsulated in electrospun nanofibrous scaffolds for tissue engineering applications. **Polymer International** 62, 1200-1206 (2013).*
115. Z. Nasrollahi, S. Roudbar Mohammadi, **F. Atyabi**, H. Zuhair Sarraf, M. H. Yadegari, M. Esfandyari, E. Mollarazi, *A Rapid Method for Extraction of Water Soluble β (1, 3) Glucan*

from the Cell Wall of *Candida albicans*. **Modares Journal of Medical Sciences: Pathobiology** 17, 119-127 (2013).

170. S. Manoochehri, B. Darvishi, G. Kamalinia, M. Amini, M. Fallah, S. N. Ostad, **F. Atyabi**, R. Dinarvand, *Surface modification of PLGA nanoparticles via human serum albumin conjugation for controlled delivery of docetaxel*. **Daru** 21, 58 (2013).
171. G. Kamalinia, F. Khodagholi, **F. Atyabi**, M. Amini, F. Shaerzadeh, M. Sharifzadeh, R. Dinarvand, *Enhanced brain delivery of deferasirox-lactoferrin conjugates for iron chelation therapy in neurodegenerative disorders: in vitro and in vivo studies*. **Molecular pharmaceuticals** 10, 4418-4431 (2013).
172. R. Jahanbakhsh, **F. Atyabi**, S. Shanehsazzadeh, Z. Sobhani, M. Adeli, R. Dinarvand, *Modified Gadonanotubes as a promising novel MRI contrasting agent*. **Daru** 21, 53-61 (2013).
173. L. E. Jabarian, M. R. Rouini, **F. Atyabi**, A. Foroumadi, S. M. Nassiri, R. Dinarvand, *In vitro and in vivo evaluation of an in situ gel forming system for the delivery of PEGylated octreotide*. **European Journal of Pharmaceutical Sciences** 48, 172-97 (2013).
174. N. Goodarzi, R. Varshochian, G. Kamalinia, **F. Atyabi**, R. Dinarvand, *A review of polysaccharide cytotoxic drug conjugates for cancer therapy*. **Carbohydrate polymers** 92, 1280-1293 (2013).
175. M. Esfandyari-Manesh, M. Javanbakht, E. Shahmoradi, R. Dinarvand, **F. Atyabi**, *The control of morphological and size properties of carbamazepine-imprinted microspheres and nanospheres under different synthesis conditions*. **Journal of Materials Research** 24, 2777-2787 (2013).
176. M. Esfandyari-Manesh, Z. Ghaedi, M. Asemi, M. Khanavi, A. Manayi, H. Jamalifar, **F. Atyabi**, R. Dinarvand, *Study of antimicrobial activity of anethole and carvone loaded PLGA nanoparticles*. **Journal of Pharmacy Research** 7, 290-295 (2013).
177. H. Aghajani-Lazarjani, E. Vasheghani-Farahani, S. Hashemi-Najafabadi, S. A. Shojaosadati, S. Zahediasl, T. Tiraihi, **F. Atyabi**, *Optimization of monomethoxy poly (ethylene glycol) grafting on Langerhans islets capsule using response surface method*. **Progress in Biomaterials** 2, 7 (2013).

142. J. Varshosaz, S. Ghaffari, M. R. Khoshayand, **F. Atyabi**, A. J. Dehkordi, F. Kobarfard, *Optimization of freeze-drying condition of amikacin solid lipid nanoparticles using D-optimal experimental design. **Pharmaceutical development and technology** 14, 187-194 (2012).*
143. A. Taheri, R. Dinarvand, **F. Atyabi**, M. H. Ghahremani, S. N. Ostad, *Trastuzumab decorated methotrexate–human serum albumin conjugated nanoparticles for targeted delivery to HER2 positive tumor cells. **European Journal of Pharmaceutical Sciences** 47, 331-340 (2012).*
144. A. Taheri, R. Dinarvand, F. Ahadi, M. R. Khorramizadeh, **F. Atyabi**, *The in vivo antitumor activity of LHRH targeted methotrexate–human serum albumin nanoparticles in 4T1 tumor-bearing Balb/c mice. **International journal of pharmaceutics** 431, 182-189 (2012).*
145. A. Saadatzadeh, **F. Atyabi**, M. R. Fazeli, R. Dinarvand, H. Jamalifar, A. H. Abdolghaffari, P. Mahdavian, M. Mahbod, M. Baeeri, A. Baghaei, *Biochemical and pathological evidences on the benefit of a new biodegradable nanoparticles of probiotic extract in murine colitis. **Fundamental & clinical pharmacology** 26, 589-598 (2012).*
146. M. N. Koopaei, M. S. Maghazei, S. H. Mostafavi, H. Jamalifar, N. Samadi, M. Amini, S. J. Malek, B. Darvishi, **F. Atyabi**, R. Dinarvand, *Enhanced antibacterial activity of roxithromycin loaded pegylated poly lactide-co-glycolide nanoparticles. **Daru** 20, 1 (2012).*
147. S. Khoei, A. Sattari, **F. Atyabi**, *Physico-chemical properties investigation of cisplatin loaded polybutyladipate (PBA) nanoparticles prepared by w/o/w. **Materials Science and Engineering: C** 32, 1078-1087 (2012).*
148. M. T. Kheiri, A. Jamali, M. Shenagari, H. Hashemi, F. Sabahi, **F. Atyabi**, R. Saghiri, *Influenza virosome/DNA vaccine complex as a new formulation to induce intra-subtypic protection against influenza virus challenge. **Antiviral research** 90, 229-237 (2012).*
149. T. S. J. Kashi, S. Eskandarion, M. Esfandyari-Manesh, S. M. A. Marashi, N. Samadi, S. M. Fatemi, **F. Atyabi**, S. Eshraghi, R. Dinarvand, *Improved drug loading and antibacterial activity of minocycline-loaded PLGA nanoparticles prepared by solid/oil/water ion pairing method. **International journal of nanomedicine** 7, 221 (2012).*

۱۸۱. H. Hosseinzadeh, **F. Atyabi**, R. Dinarvand, S. N. Ostad, *Chitosan–Pluronic nanoparticles as oral delivery of anticancer gemcitabine: preparation and in vitro study. International journal of nanomedicine* ۷, ۱۸۵۱ (۲۰۱۲).
۱۸۲. M. Esfandyari-Manesh, M. Javanbakht, R. Dinarvand, **F. Atyabi**, *Molecularly imprinted nanoparticles prepared by miniemulsion polymerization as selective receptors and new carriers for the sustained release of carbamazepine. Journal of Materials Science: Materials in Medicine* ۲۳, ۹۶۳-۹۷۲ (۲۰۱۲).
۱۸۳. M. Esfandyari-Manesh, M. Javanbakht, **F. Atyabi**, R. Dinarvand, *Synthesis and evaluation of uniformly sized carbamazepine-imprinted microspheres and nanospheres prepared with different mole ratios of methacrylic acid to methyl methacrylate for analytical and biomedical applications. Journal of Applied Polymer Science* ۱۲۵, ۱۸۰۴-۱۸۱۳ (۲۰۱۲).
۱۸۴. L. Erfani-Jabarian, R. Dinarvand, M. R. Rouini, **F. Atyabi**, M. Amini, N. Mohammadhosseini, A. Shafiee, A. Foroumadi, *PEGylation of Octreotide Using an α , β -unsaturated- β' -mono-sulfone Functionalized PEG Reagent. Iranian journal of pharmaceutical research: IJPR* ۱۱, ۷۴۷ (۲۰۱۲).
۱۸۵. E. Aboutaleb, M. Noori, N. Gandomi, **F. Atyabi**, M. R. Fazeli, H. Jamalifar, R. Dinarvand, *Improved antimycobacterial activity of rifampin using solid lipid nanoparticles. International Nano Letters* ۲, ۱-۸ (۲۰۱۲).
۱۸۶. P. Yousefpour, **F. Atyabi**, E. Vasheghani-Farahani, A.-A. M. Movahedi, R. Dinarvand, *Targeted delivery of doxorubicin-utilizing chitosan nanoparticles surface-functionalized with anti-Her ۲ trastuzumab. International journal of nanomedicine* ۷, ۱۹۷۷ (۲۰۱۱).
۱۸۷. P. Yousefpour, **F. Atyabi**, E. V. Farahani, R. Sakhtianchi, R. Dinarvand, *Polyanionic carbohydrate doxorubicin-dextran nanocomplex as a delivery system for anticancer drugs: in vitro analysis and evaluations. Int J Nanomedicine* ۷, ۱۴۸۷-۱۴۹۶ (۲۰۱۱).
۱۸۸. P. Yousefpour, **F. Atyabi**, R. Dinarvand, E. Vasheghani-Farahani, *Preparation and comparison of chitosan nanoparticles with different degrees of glutathione thiolation. Daru: journal of Faculty of Pharmacy, Tehran University of Medical Sciences* ۱۹, ۳۶۷ (۲۰۱۱).
۱۸۹. F. Talaei, E. Azizi, R. Dinarvand, **F. Atyabi**, *Thiolated chitosan nanoparticles as a delivery system for antisense therapy: evaluation against EGFR in T ۴۷D breast cancer cells. International journal of nanomedicine* ۷, ۱۹۶۳ (۲۰۱۱).

190. F. Talaei, M. Azhdarzadeh, H. H. Nasel, M. Moosavi, A. Foroumadi, R. Dinarvand, **F. Atyabi**, *Core shell methyl methacrylate chitosan nanoparticles: In vitro mucoadhesion and complement activation. **Daru: journal of Faculty of Pharmacy, Tehran University of Medical Sciences** 19, 207(2011).*
191. A. Taheri, R. Dinarvand, F. S. Nouri, M. R. Khorramizadeh, A. T. Borougeni, P. Mansoori, **F. Atyabi**, *Use of biotin targeted methotrexate–human serum albumin conjugated nanoparticles to enhance methotrexate antitumor efficacy. **International journal of nanomedicine** 7, 1873(2011).*
192. A. Taheri, R. Dinarvand, **F. Atyabi**, F. Nouri, F. Ahadi, M. H. Ghahremani, S. N. Ostad, A. T. Borougeni, P. Mansoori, *Targeted delivery of methotrexate to tumor cells using biotin functionalized methotrexate-human serum albumin conjugated nanoparticles. **Journal of biomedical nanotechnology** 4, 743-753(2011).*
193. A. Taheri, R. Dinarvand, **F. Atyabi**, F. Ahadi, F. S. Nouri, M. H. Ghahremani, S. N. Ostad, A. T. Borougeni, P. Mansoori, *Enhanced anti-tumoral activity of methotrexate-human serum albumin conjugated nanoparticles by targeting with luteinizing hormone-releasing hormone (LHRH) peptide. **International journal of molecular sciences** 12, 4991-4708(2011).*
194. A. Taheri, **F. Atyabi**, F. S. Nouri, F. Ahadi, M. A. Derakhshan, M. Amini, M. H. Ghahremani, S. N. Ostad, P. Mansoori, R. Dinarvand, *Nanoparticles of conjugated methotrexate-human serum albumin: preparation and cytotoxicity evaluations. **Journal of nanomaterials** 2011, 0(2011).*
195. A. Taheri, **F. Atyabi**, R. Dinarvand, *Temperature-responsive and biodegradable PVA: PVP k30: poloxamer 407 hydrogel for controlled delivery of human growth hormone (hGH). **Journal of Pediatric Endocrinology and Metabolism** 25, 170-179(2011).*
196. Z. Sobhani, R. Dinarvand, **F. Atyabi**, M. Ghahremani, M. Adeli, *Increased paclitaxel cytotoxicity against cancer cell lines using a novel functionalized carbon nanotube. **Int J Nanomedicine** 7, 700-719(2011).*
197. N. Shokri, H. A. Javar, S. Fouladdel, A. Khalaj, M. Khoshayand, R. Dinarvand, **F. Atyabi**, A. Nomani, E. Azizi, *Preparation and evaluation of poly (caprolactone fumarate) nanoparticles containing doxorubicin HCl. **DARU Journal of Pharmaceutical Sciences** 19, 12-22(2011).*

- ۱۹۸ S. Saremi, **F. Atyabi**, S. P. Akhlaghi, S. N. Ostad, R. Dinarvand, *Thiolated chitosan nanoparticles for enhancing oral absorption of docetaxel: preparation, in vitro and ex vivo evaluation. **Int J Nanomedicine** 7, ۱۱۹-۱۲۸ (۲۰۱۱).*
- ۱۹۹ M. Mahmoodi, M. Khosroshahi, **F. Atyabi**, *Early experimental results of thrombolysis using controlled release of tissue plasminogen activator encapsulated by PLGA/CS nanoparticles delivered by pulse ۰۳۲ nm laser. **Digest Journal of Nanomaterials & Biostructures (DJNB)** 7, (۲۰۱۱).*
- ۲۰۰ M. N. Koopaei, R. Dinarvand, M. Amini, H. Rabbani, S. Emami, S. N. Ostad, **F. Atyabi**, *Docetaxel immunonanocarriers as targeted delivery systems for HER ۲-positive tumor cells: preparation, characterization, and cytotoxicity studies. **International journal of nanomedicine** 7, ۱۹۰۳ (۲۰۱۱).*
- ۲۰۱ S. Ghaffari, J. Varshosaz, A. Saadat, **F. Atyabi**, *Stability and antimicrobial effect of amikacin-loaded solid lipid nanoparticles. **International journal of nanomedicine** 7, ۳۰ (۲۰۱۱).*
- ۲۰۲ M. Esfandyari-Manesh, M. Javanbakht, **F. Atyabi**, A. Mohammadi, S. Mohammadi, B. Akbari-Adergani, R. Dinarvand, *Dipyridamole recognition and controlled release by uniformly sized molecularly imprinted nanospheres. **Materials Science and Engineering: C** ۳۱, ۱۶۹۲-۱۶۹۹ (۲۰۱۱).*
- ۲۰۳ M. Esfandyari-Manesh, M. Javanbakht, **F. Atyabi**, A. Badiei, R. Dinarvand, *Effect of porogenic solvent on the morphology, recognition and release properties of carbamazepine-molecularly imprinted polymer nanospheres. **Journal of Applied Polymer Science** ۱۲۱, ۱۱۱۸-۱۱۲۶ (۲۰۱۱).*
- ۲۰۴ P. Ebrahimnejad, R. Dinarvand, M. R. Jafari, S. A. S. Tabasi, **F. Atyabi**, *Characterization, blood profile and biodistribution properties of surface modified PLGA nanoparticles of SN-۳۸. **International journal of pharmaceutics** ۴۰۶, ۱۲۲-۱۲۷ (۲۰۱۱).*
- ۲۰۵ R. Dinarvand, N. Sepehri, S. Manoochehri, H. Rouhani, **F. Atyabi**, *Poly(lactide-co-glycolide) nanoparticles for controlled delivery of anticancer agents. **Int J Nanomedicine** 7, ۸۷۷-۸۹۰ (۲۰۱۱).*
- ۲۰۶ H. Bakhshandeh, M. Soleimani, S. S. Hosseini, H. Hashemi, I. Shabani, A. Shafiee, A. H. B. Nejad, M. Erfan, R. Dinarvand, **F. Atyabi**, *Poly (ϵ -caprolactone) nanofibrous ring surrounding a polyvinyl alcohol hydrogel for the development of a biocompatible two-part artificial cornea. **International journal of nanomedicine** 7, ۱۰۰۹ (۲۰۱۱).*

۲۰۷. M. Avadi, A. Sadeghi, N. Mohamadpour Dounighi, R. Dinarvand, **F. Atyabi**, M. Rafiee-Tehrani, *Ex vivo evaluation of insulin nanoparticles using chitosan and arabic gum*. **ISRN pharmaceuticals** ۲(۱), (۲۰۱۱).
۲۰۸. S. Abashzadeh, M. Hajimiri, **F. Atyabi**, M. Amini, R. Dinarvand, *Novel physical hydrogels composed of opened-ring poly (vinyl pyrrolidone) and chitosan derivatives: Preparation and characterization*. **Journal of Applied Polymer Science** ۱۲۱, ۲۷۶۱-۲۷۷۱ (۲۰۱۱).
۲۰۹. S. Abashzadeh, R. Dinarvand, M. Sharifzadeh, G. Hassanzadeh, M. Amini, **F. Atyabi**, *Formulation and evaluation of an in situ gel forming system for controlled delivery of triptorelin acetate*. **European Journal of Pharmaceutical Sciences** ۴۴, ۵۱۴-۵۲۱ (۲۰۱۱).
۲۱۰. M. Mahmoodi, M. E. Khosroshahi, **F. Atyabi**, *Dynamic study of PLGA/CS nanoparticles delivery containing drug model into phantom tissue using CO₂ laser for clinical applications*. **Journal of biophotonics** ۴, ۴۰۳-۴۱۴ (۲۰۱۱)
۲۱۱. A. Yousefi, E. Khodaverdi, **F. Atyabi**, R. Dinarvand, *Thermosensitive Drug Permeation through Liquid Crystal-Embedded Cellulose Nitrate Membranes*. **PDA Journal of Pharmaceutical Science and Technology** ۶۴, ۵۴-۶۲ (۲۰۱۰).
۲۱۲. J. Varshosaz, S. Ghaffari, M. R. Khoshayand, **F. Atyabi**, S. Azarmi, F. Kobarfard, *Development and optimization of solid lipid nanoparticles of amikacin by central composite design*. **Journal of liposome research** ۲۰, ۹۷-۱۰۴ (۲۰۱۰).
۲۱۳. A. Mohammadi, F. Esmaili, R. Dinarvand, **F. Atyabi**, R. B. Walker, *Simultaneous determination of irinotecan hydrochloride and its related compounds by high performance liquid chromatography using ultraviolet detection*. **Asian J. Chem** ۲۲, ۳۹۶۶-۳۹۷۲ (۲۰۱۰).
۲۱۴. F. Mirzajani, H. Rafati, **F. Atyabi**, *Fabrication of biodegradable poly (d, l-lactide-co-glycolide) nanoparticles containing tamoxifen citrate*. **Iranian Polymer Journal** ۱۹, ۴۳۷-۴۴۶ (۲۰۱۰).
۲۱۵. M. Mahmoodi, M. Khosroshahi, **F. Atyabi**, *Laser thrombolysis and in vitro study of tPA release encapsulated by chitosan coated PLGA nanoparticles for AMI*. **Int J Biol Biomed Eng** ۴, ۳۵-۴۲ (۲۰۱۰).

۲۱۶. A. Mahboubian, S. K. Hasheminejad, S. Moghadam, **F. Atyabi**, R. Dinarvand, *Preparation and in-vitro evaluation of controlled release PLGA microparticles containing triptoreline. Iranian journal of pharmaceutical research: IJPR* ۹, ۳۶۹ (۲۰۱۰).
۲۱۷. H. A. Lazarjani, E. Vasheghani-Farahani, L. Barani, S. Hashemi-Najafabadi, S. A. Shojaosadati, S. Zahediasl, T. Tairahi, **F. Atyabi**, *Effect of polymer concentration on camouflaging of pancreatic islets with mPEG-succinimidyl carbonate. Artificial Cells, Blood Substitutes, and Biotechnology* ۳۸, ۲۰۰-۲۰۸ (۲۰۱۰).
۲۱۸. S. Kheradmandnia, E. Vasheghani-Farahani, M. Nosrati, **F. Atyabi**, *The effect of process variables on the properties of ketoprofen loaded solid lipid nanoparticles of beeswax and carnauba wax. Iran. J. Chem. Chem. Eng. Vol* ۲۹, (۲۰۱۰).
۲۱۹. S. Kheradmandnia, E. Vasheghani-Farahani, M. Nosrati, **F. Atyabi**, *Preparation and characterization of ketoprofen-loaded solid lipid nanoparticles made from beeswax and carnauba wax. Nanomedicine: Nanotechnology, Biology and Medicine* ۶, ۷۰۳-۷۰۹ (۲۰۱۰).
۲۲۰. F. Esmaeili, R. Dinarvand, M. H. Ghahremani, S. N. Ostad, H. Esmaily, **F. Atyabi**, *Cellular cytotoxicity and in-vivo biodistribution of docetaxel poly (lactide-co-glycolide) nanoparticles. Anti-cancer drugs* ۲۱, ۴۳۰-۴۳۷ (۲۰۱۰).
۲۲۱. P. Ebrahimnejad, R. Dinarvand, A. Sajadi, M. R. Jaafari, A. R. Nomani, E. Azizi, M. Rad-Malekshahi, **F. Atyabi**, *Preparation and in vitro evaluation of actively targetable nanoparticles for SN-۳A delivery against HT-۲۹ cell lines. Nanomedicine: Nanotechnology, Biology and Medicine* ۶, ۴۷۸-۴۸۰ (۲۰۱۰).
۲۲۲. R. Dinarvand, Z. Kouchakzadeh, S. H. Moghadam, **F. Atyabi**, *Effect of Microencapsulation on Photo-Stability of Nifedipine. Iranian Journal of Pharmaceutical Research*, ۲۳۶-۲۴۴ (۲۰۱۰).
۲۲۳. L. Barani, E. Vasheghani-Farahani, H. A. Lazarjani, S. Hashemi-Najafabadi, **F. Atyabi**, *Effect of molecular mass of methoxypoly (ethylene glycol) activated with succinimidyl carbonate on camouflaging pancreatic islets. Biotechnology and applied biochemistry* ۰۷, ۲۰-۳۰ (۲۰۱۰).
۲۲۴. M. R. Avadi, A. M. M. Sadeghi, N. Mohammadpour, S. Abedin, **F. Atyabi**, R. Dinarvand, M. Rafiee-Tehrani, *Preparation and characterization of insulin nanoparticles using chitosan and Arabic gum with ionic gelation method. Nanomedicine: Nanotechnology, Biology and Medicine* ۶, ۰۸-۱۳ (۲۰۱۰).

۲۲۰. M. Alaei, S. H. Moghadam, P. Sayyar, **F. Atyabi**, R. Dinarvand, *Preparation of a reservoir type levonorgestrel delivery system using high molecular weight poly L-lactide. Iranian Journal of Pharmaceutical Research*, ۸۷- ۹۳ (۲۰۱۰).
۲۲۶. S. P. Akhlaghi, S. Saremi, S. N. Ostad, R. Dinarvand, **F. Atyabi**, *Discriminated effects of thiolated chitosan-coated pMMA paclitaxel-loaded nanoparticles on different normal and cancer cell lines. Nanomedicine: Nanotechnology, Biology and Medicine* ۶, ۶۸۹- ۶۹۷ (۲۰۱۰).
۲۲۷. H. Aghajani-Lazarjani, E. Vasheghani-Farahani, S. A. Shojaosadati, S. Hashemi-Najafabadi, S. Zahediasl, T. Tiraihi, **F. Atyabi**, *The effect of two different polyethylene glycol (PEG) derivatives on the immunological response of PEG grafted pancreatic islets. Journal of Artificial Organs* ۱۳, ۲۱۸- ۲۲۴ (۲۰۱۰).
۲۲۸. A. Yousefi, F. Esmaeili, S. Rahimian, **F. Atyabi**, R. Dinarvand, *Preparation and in vitro evaluation of a pegylated nano-liposomal formulation containing docetaxel. Sci Pharm* ۷۷, ۴۰۳- ۴۶۴ (۲۰۰۹).
۲۲۹. A. Mohammadi, F. Esmaeili, R. Dinarvand, **F. Atyabi**, R. B. Walker, *Development and validation of a stability-indicating method for the quantitation of Paclitaxel in pharmaceutical dosage forms. Journal of chromatographic science* ۴۷, ۰۹۹- ۶۰۴ (۲۰۰۹).
۲۳۰. F. A. Moghaddam, **F. Atyabi**, R. Dinarvand, *Preparation and in vitro evaluation of mucoadhesion and permeation enhancement of thiolated chitosan-pHEMA core-shell nanoparticles. Nanomedicine: Nanotechnology, Biology and Medicine* ۰, ۲۰۸- ۲۱۰ (۲۰۰۹).
۲۳۱. F. Esmaeili, R. Dinarvand, M. H. Ghahremani, M. Amini, H. Rouhani, N. Sepehri, S. N. Ostad, **F. Atyabi**, *Docetaxel–albumin conjugates: preparation, in vitro evaluation and biodistribution studies. Journal of pharmaceutical sciences* ۹۸, ۲۷۱۸- ۲۷۳۰ (۲۰۰۹).
۲۳۲. P. Ebrahimnejad, R. Dinarvand, S. Sajadi, **F. Atyabi**, F. Ramezani, M. Jaafari, *Preparation and characterization of poly lactide-co-glycolide nanoparticles of SN- ۳۸. PDA Journal of Pharmaceutical Science and Technology* ۶۳, ۰۱۲- ۰۲۰ (۲۰۰۹).
۲۳۳. P. Ebrahimnejad, R. Dinarvand, A. Sajadi, M. R. Jafari, F. Movaghari, **F. Atyabi**, *Development and validation of an ion-pair HPLC chromatography for simultaneous determination of lactone and carboxylate forms of SN- ۳۸ in nanoparticles. J Food Drug Anal* ۱۷, ۲۴۶- ۲۰۶ (۲۰۰۹).

۲۳۴. **F. Atyabi**, F. Talaie, R. Dinarvand, *Thiolated chitosan nanoparticles as an oral delivery system for amikacin: in vitro and ex vivo evaluations. Journal of nanoscience and nanotechnology* ۹, ۴۰۹۳-۴۶۰۳ (۲۰۰۹).
۲۳۵. **F. Atyabi**, A. Farkhondehfai, F. Esmaeili, R. Dinarvand, *Preparation of pegylated nano-liposomal formulation containing SN-۳۸: in vitro characterization and in vivo biodistribution in mice. Acta pharmaceutica* ۵۹, ۱۳۳-۱۴۴ (۲۰۰۹).
۲۳۶. M. Adeli, N. Mirab, M. S. Alavidjeh, Z. Sobhani, **F. Atyabi**, *Carbon nanotubes-graft-polyglycerol: biocompatible hybrid materials for nanomedicine. Polymer* ۵۰, ۳۵۲۸-۳۵۳۶ (۲۰۰۹).
۲۳۷. A. H. Talasaz, A. A. Ghahremankhani, S. H. Moghadam, M. R. Malekshahi, **F. Atyabi**, R. Dinarvand, *In situ gel forming systems of poloxamer ۴۰۷ and hydroxypropyl cellulose or hydroxypropyl methyl cellulose mixtures for controlled delivery of vancomycin. Journal of applied polymer science* ۱۰۹, ۲۳۶۹-۲۳۷۴ (۲۰۰۸).
۲۳۸. A. Mohammadi, A. B. Moghaddam, R. Dinarvand, J. Badraghi, **F. Atyabi**, A. A. Saboury, *Bioelectrocatalysis of methyl dopa by adsorbed tyrosinase on the surface of modified glassy carbon with carbon nanotubes. Int J Electrochem Sci* ۳, ۱۲۴۸-۱۲۵۷ (۲۰۰۸).
۲۳۹. F. Esmaeili, M. H. Ghahremani, S. N. Ostad, **F. Atyabi**, M. Seyedabadi, M. R. Malekshahi, M. Amini, R. Dinarvand, *Folate-receptor-targeted delivery of docetaxel nanoparticles prepared by PLGA-PEG-folate conjugate. Journal of drug targeting* ۱۶, ۴۱۵-۴۲۳ (۲۰۰۸).
۲۴۰. F. Esmaeili, M. H. Ghahremani, B. Esmaeili, M. R. Khoshayand, **F. Atyabi**, R. Dinarvand, *PLGA nanoparticles of different surface properties: preparation and evaluation of their body distribution. International journal of pharmaceutics* ۳۴۹, ۲۴۹-۲۵۵ (۲۰۰۸).
۲۴۱. F. Esmaeili, **F. Atyabi**, R. Dinarvand, *Preparation and characterization of estradiol-loaded PLGA nanoparticles using homogenization-solvent diffusion method. DARU Journal of Pharmaceutical Sciences* ۱۶, ۱۹۶-۲۰۲ (۲۰۰۸).
۲۴۲. E. Azizi, N. Ashrafi-Shahmirzadi, A. Jahangiri, S. Fouladdel, F. Talaei, A. Nomani, T. Gazori, **F. Atyabi**, E. Haririan, R. Dinarvand, *NANOTECHNOLOGY APPLICATIONS IN siRNA AND ANTISENSE DELIVERY TO SILENCE MDR 1 AND EGFR IN RESISTANT BREAST CANCER CELLS. ANTICANCER RESEARCH* ۲۸, ۳۲۰۲-۳۲۰۳ (۲۰۰۸).

۲۴۳. **F. Atyabi**, F. A. Moghaddam, R. Dinarvand, M. J. Zohuriaan-Mehr, G. Ponchel, *Thiolated chitosan coated poly hydroxyethyl methacrylate nanoparticles: synthesis and characterization. Carbohydrate polymers* ۷۴, ۵۹-۶۷ (۲۰۰۸).
۲۴۴. F. Esmaeili, M. Hosseini-Nasr, M. Rad-Malekshahi, N. Samadi, **F. Atyabi**, R. Dinarvand, *Preparation and antibacterial activity evaluation of rifampicin-loaded poly lactide-co-glycolide nanoparticles. Nanomedicine: Nanotechnology, Biology and Medicine* ۳, ۱۶۱-۱۶۷ (۲۰۰۷).
۲۴۵. F. Esmaeili, **F. Atyabi**, R. Dinarvand, *Preparation of PLGA nanoparticles using TPGS in the spontaneous emulsification solvent diffusion method. Journal of Experimental Nanoscience* ۲, ۱۸۳-۱۹۲ (۲۰۰۷).
۲۴۶. **F. Atyabi**, S. Majzoob, F. Dorkoosh, M. Sayyah, G. Ponchel, *The impact of trimethyl chitosan on in vitro mucoadhesive properties of pectinate beads along different sections of gastrointestinal tract. Drug development and industrial pharmacy* ۳۳, ۲۹۱-۳۰۰ (۲۰۰۷).
۲۴۷. **F. Atyabi**, E. Khodaverdi, R. Dinarvand, *Temperature modulated drug permeation through liquid crystal embedded cellulose membranes. International journal of pharmaceutics* ۳۳۹, ۲۱۳-۲۲۱ (۲۰۰۷).
۲۴۸. S. Majzoob, **F. Atyabi**, F. Dorkoosh, K. Kafedjiiski, B. Loretz, A. Bernkop-Schnürch, *Pectin-cysteine conjugate: synthesis and in-vitro evaluation of its potential for drug delivery. Journal of pharmacy and pharmacology* ۵۸, ۱۶۰۱-۱۶۱۰ (۲۰۰۶).
۲۴۹. R. Dinarvand, E. Khodaverdi, **F. Atyabi**, M. Erfan, *Thermoresponsive drug delivery using liquid crystal-embedded cellulose nitrate membranes. Drug delivery* ۱۳, ۳۴۵-۳۵۰ (۲۰۰۶).
۲۵۰. R. Dinarvand, **F. Atyabi**, S. H. Moghadam, N. Islami, *Preparation and characterization of estradiol valerate microspheres using biodegradable polymers. Iranian Journal of Pharmaceutical Sciences* ۲, ۳-۱۰ (۲۰۰۶).
۲۵۱. **F. Atyabi**, S. Manoochehri, S. H. Moghadam, R. Dinarvand, *Cross-linked starch microspheres: Effect of cross-linking condition on the microsphere characteristics. Archives of pharmcal research* ۲۹, ۱۱۷۹-۱۱۸۶ (۲۰۰۶).
۲۵۲. **F. Atyabi**, M. Livari, K. Kaviani, M. R. R. Tabar, *Two statistical methods for resolving healthy individuals and those with congestive heart failure based on extended self-similarity and a recursive method. Journal of biological physics* ۳۲, ۴۸۹-۴۹۵ (۲۰۰۶).

۲۰۳. R. Dinarvand, S. H. Moghadam, P. Sayar, M. Alaei, **F. Atyabi**, *Preparation of a polymeric reservoir naltrexone delivery device: effect of PEG content of the PLA membrane on drug release.* (۲۰۰۵).
۲۰۴. R. Dinarvand, S. Moghadam, A. Sheikhi, **F. Atyabi**, *Effect of surfactant HLB and different formulation variables on the properties of poly-D, L-lactide microspheres of naltrexone prepared by double emulsion technique.* **Journal of microencapsulation** ۲۲, ۱۳۹-۱۵۱ (۲۰۰۵).
۲۰۵. R. Dinarvand, S. Mahmoodi, E. Farboud, M. Salehi, **F. Atyabi**, *Preparation of gelatin microspheres containing lactic acid—Effect of cross-linking on drug release.* **Acta pharm** ۵۵, ۵۷-۶۷ (۲۰۰۵).
۲۰۶. R. Dinarvand, E. Khodaverdi, **F. Atyabi**, *Temperature-sensitive permeation of methimazole through cyano-biphenyl liquid crystals embedded in cellulose nitrate membranes.* **Molecular Crystals and Liquid Crystals** ۴۴۲, ۱۹-۳۰ (۲۰۰۵).
۲۰۷. **F. Atyabi**, A. Mohammadi, R. Dinarvand, *Preparation of nimodipine loaded microspheres: evaluation of parameters.* **Iranian Journal of Pharmaceutical Sciences** ۱, ۱۴۳-۱۵۲ (۲۰۰۵).
۲۰۸. **F. Atyabi**, S. Majzoob, M. Iman, M. Salehi, F. Dorkoosh, *In vitro evaluation and modification of pectinate gel beads containing trimethyl chitosan, as a multi-particulate system for delivery of water-soluble macromolecules to colon.* **Carbohydrate polymers** ۷۱, ۳۹-۵۱ (۲۰۰۵).
۲۰۹. **F. Atyabi**, K. Inanloo, R. Dinarvand, *Bovine serum albumin—loaded pectinate beads as colonic peptide delivery system: Preparation and in vitro characterization.* **Drug delivery** ۱۲, ۳۶۷-۳۷۵ (۲۰۰۵).
۲۱۰. R. Dinarvand, S. H. Moghadam, L. Mohammadyari-Fard, **F. Atyabi**, *Preparation of biodegradable microspheres and matrix devices containing naltrexone.* **AAPS PharmSciTech** ۴, ۴۵-۵۴ (۲۰۰۳).
۲۱۱. R. Dinarvand, S. Mirfattahi, **F. Atyabi**, *Preparation, characterization and in vitro drug release of isosorbide dinitrate microspheres.* **Journal of microencapsulation** ۱۹, ۷۳-۸۱ (۲۰۰۲).

۲۷۲. **F. Atyabi**, M. Kouchak, R. Dinarvand, *The effect of loading solution and dissolution media on release of diclofenac from ion exchange resins. DARU Journal of Pharmaceutical Sciences* ۱۰, ۱۷-۲۲ (۲۰۰۲).
۲۷۳. R. Dinarvand, B. Zainali, **F. Atyabi**, *Effects of formulation variables on Nifedipine microspheres prepared by solvent evaporation technique. DARU Journal of Pharmaceutical Sciences* ۹, ۳۳-۴۰ (۲۰۰۱).
۲۷۴. R. Dinarvand, M. Imani, F. Ryahipoor, **F. Atyabi**, *Preparation of a biodegradable matrix system for contraceptive drug delivery. Drug Delivery Sys Sci* ۱, ۷۳-۷۶ (۲۰۰۱).
۲۷۵. M. Kouchak, **F. Atyabi**, *Preparation of a floating dosage form containing diclofenac. ACTA PHARMACEUTICA TURCICA* ۴۲, ۹۵-۹۷ (۲۰۰۰).
۲۷۶. **F. Atyabi**, M. Kouchak, *RELEASE CHARACTERISTIC OF DICLOFENAC FROM RESONATES.* (۲۰۰۰).
۲۷۷. F. A. M. KOUCHAK, **F. Atyabi**, *In vitro evaluation of a new buoyant system for oral application. DARU Journal of Pharmaceutical Sciences* ۷, ۲۶-۳۰ (۱۹۹۹).
۲۷۸. N. S. Ravari, F. Alvandifar, N. Goodarzi, M. Reza, M. A. Khoshayand, E. Souri, **F. Atyabi**, R. Dinarvand, *Docetaxel glyconanoparticles: method optimization and in vitro characterization.*
۲۷۹. M. Mahmoodi, M. E. Khosroshahi, **F. Atyabi**, *Laser thrombolysis and in vitro study of Tissue Plasminogen Activators (tPA) Release Encapsulated by Chitosan Coated PLGA Nanoparticles for acute myocardial infarction (AMI).*
۲۷۰. M. H. Hajimiri, S. Shahverdi, **F. Atyabi**, R. Dinarvand, *Preparation and characterization of aFGF-loaded chitosan nanoparticles with two different methods for drug delivery applications.*
۲۷۱. F. Chaharband, G. Kamalinia, **F. Atyabi**, A. Mortazavi, R. Dinarvand, *Design and formulation of curcumin conjugated nanostructures with a protein vector for drug delivery to tumor tissues*
۲۷۲. **F. Atyabi**, R. Vahabzadeh, R. Dinarvand, *Preparation of ethylcellulose coated gelatin microspheres as a multiparticulate colonic delivery system for α -aminosalicylic acid. Iranian Journal of Pharmaceutical Research,* ۳, ۸۱-۸۶ (۲۰۰۴).

۲۷۳. M. Kouchak, **F. Atyabi**, *Ion-exchange, an approach to prepare an oral floating drug delivery system for diclofenac. Iranian Journal of Pharmaceutical Research*, ۳, ۹۳-۹۷
۲۷۴. **F. Atyabi**, M. Kouchak, *RELEASE CHARACTERISTIC OF DICLOFENAC FROM RESONATES*. (۲۰۰۰).
۲۷۵. **F. Atyabi**, H. Sharma, H. Mohammad, J. Fell, *In vivo evaluation of a novel gastric retentive formulation based on ion exchange resins. Journal of controlled release* ۴۲, ۱۰۵-۱۱۳ (۱۹۹۶).
۲۷۶. **F. Atyabi**, H. Sharma, H. Mohammad, J. Fell, *Controlled drug release from coated floating ion exchange resin beads. Journal of controlled release* ۴۲, ۲۵-۲۸ (۱۹۹۶)
۲۷۷. **F. Atyabi**, H. Sharma, H. Mohammad, J. Fell, ۱۰۸. *A novel floating system using ion exchange resins in Proc. Int. Symp. Control. Release Bioact. Mater.* (۱۹۹۴), vol. ۲۱, pp. ۸۰۶-۸۰۷.