

Farid Abedin-Dorkoosh, Ph.D.

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EDUCATION:

Ph.D., 2002, Leiden University,
The Netherlands
Thesis: Peptide drug delivery

Major: Pharmaceutical Technology
Minor: Biopharmaceutics

Pharm. D., 1993, Tehran Azad University,
Tehran, Iran
Thesis: Development of parenteral formulations

Major: Pharmacy
Minor: Pharmaceutics

**Diploma in
Management, 2010,** Management Chartered institute, London, UK

WORK EXPERIENCES:

Dates Employed: 02/2008-Present
Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, IRAN

Responsibilities are teaching courses to undergraduates and postgraduates in the fields of pharmaceutics, pharmacoeconomy and pharmaceutical management. Moreover, is doing research in various fields of novel drug delivery systems and nanotechnology both in PharmD and PhD level.

Accomplishments:

- Establishing a patent office in Tehran University of Medical Sciences
- Managing more than 30 PharmD thesis in the field of pharmaceutics
- Managing 2 PharmD thesis in the field of pharmacoeconomy and pharmaceutical managemet

- Managing 10 PhD students in various fields of novel drug delivery systems, nanotechnology, and gene delivery
- Teaching the following courses in PharmD: Physical Pharmacy (Thermodynamics), Pharmaceutics (general pharmaceutical dosage forms, Injectable dosage forms, cosmetic formulations, solid dosage forms), Management (Marketing, Management of Innovation, Patenting)
- Teaching the following courses in PhD: Physical Pharmacy (Modern Thermodynamics), Pharmaceutics (Peroral drug delivery, Injectable dosage forms), Pharmacoeconomy (General Management, IP rights, International Marketing, Project Management, Control Management, R&D Management)
- Teaching to MPH, Master of Nanotechnology, Master of Pharmaceutical Engineering and PhD of Nanobiotechnology students

Dates Employed: 03/2004-11/2007

**Head Pharmaceutical R&D Department, Synthron BV,
P.O.Box 7071, 6503 GN Nijmegen, The Netherlands**

Responsibilities include managing the pharmaceutical R&D department, technical support for development of various drug deliveries and pharmaceutical formulations, leading the research group both in research and development phases of pharmaceutical formulation. Scientific and technical support to researchers and project leaders for developing new formulations and initiating new projects with respect to novel drug delivery systems.

Accomplishments:

- Establishing effective R&D processes for the whole drug development trajectory.
- Managing drug development trajectory by considering product life cycle management.
- Management of people with Pharmaceutical R&D and enhance the performance of drug development.
- Establish strategic plans for development of a drug product.
- Directing development of finished products and supporting the team scientifically.
- Directing all project team meetings, generated action items, and timelines; reviewed all necessary technical and scientific reports on the status of the projects, and provided updates to management.
- Investigating the possible new formulations for existing chemical entities.
- Developing oral disintegrating tablets.
- Developing oral solutions.
- Developing modified release formulations using polymeric matrix systems or various extended release coating polymers.
- Developing pellets using high shear technique or extrusion-spheronization technique.

Dates Employed: 05/2002-02/2004

**Senior development scientist, Department of pharmaceuticals, Organon International,
P.O.Box 20, 5340 BH Oss, The Netherlands**

Responsibilities are to develop novel drug delivery systems and to co-ordinate the project related statement of work, locate and negotiate the possible mutual scientific collaboration with the other research groups and centers.

Scientific leading and guiding the research group for developing novel formulations.
Scientific support to innovation group.

Accomplishments:

- Effectively coordinating all activities related to drug development,
- Facilitating, and monitoring product formulation from pre-clinical stages through clinical batches.
- Investigated the absorption pathways of drugs which are metabolized in the intestine and to investigate on the active transport of drugs in the intestine and role of P-gp and MRP transporters in the absorption of active compounds.
- Developing preliminary formulations for an anti-schizophrenia compound and to investigate the best routes of administration for such a compounds.
- Developing a novel transmucosal buccal patch for delivery of hydrophilic macromolecular drugs.

Dates Employed: 08/1997-04/1998

Head of cosmetic production unit, Laleh Ekbatan Company

Hafez St. Corner of Taleghani St. Fith floor, Tehran-Iran

Responsibilities included managing the production unit and directing the cosmetic department. Controlling the performance of department under GMP conditions and guiding the personal to achieve the high performance of the unit.

Accomplishments:

- Have developed a cream formulation for softening of the skin.
- Have developed a wax for depletion of the hair on the skin.
- Compiled a high GMP and GLP conditions in the production and laboratory units.
- Scientific support to managing directors for high performance of cosmetic department.

Dates Employed: 08/1995-07/1997

**Clinical pharmacist, 501 Hospital pharmacy
Kargar St. Shiraz Gharbi St., Tehran-Iran**

Responsibilities were organizing drug therapy for patients in the hospital and collaborating with physicians for performing clinical trials in well-defined process.

Accomplishments:

- Managing the hospital pharmacy for efficient work performance.
- Computerize the drug delivery in the pharmacy.
- Coordinating the clinical trials in the hospital.

Dates Employed: 02/1994-07/1995

**Head of research department in IPDIC company
Fatemi Sq. Beginning of Biston St. Tehran-Iran**

Responsibilities were developing new formulations for parenteral administrations of various active compounds and also managing the research group for their both scientific activities and technical performance in the formulation department.

Accomplishments:

- For more than 30 active compounds, new parenteral formulations were developed.
- The GMP scaling up has been performed for the developed delivery systems.
- A well-organized information center was initiated within the company for scientific support of all scientists within the company.
- Special support was given to quality control department for enhancing their performance capacity.
- All documentations for getting the Drug Master File for each formulation were prepared and submitted to ministry of health for getting the approval for production of the new formulations.

JOB-RELATED TRAINING COURSES:

a. Scientific

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| • Application of Twin Screw Extruder in Drug Delivery | 2006 |
| • Experimental Design (STAVEX) in Basel, Switzerland | 2005 |
| • Pharmacokinetics and Pharmacodynamic at Organon | 2003 |
| • Gene therapy and gene delivery at the Medical Faculty of Leiden University | 2001 |
| • ULLA summer school in Denmark | 1999 |
| • Introductory course on drug research at Leiden uiversity | 1999 |
| • International course on laboratory animal science at Utrecht University | 1999 |
| • GMP and GLP regulatory course | 1995 |
| • Solid Dosage Form Development | 1994 |

b. Managerial

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| • Industrial and Organizational Documentation Systems (Qumas), The Netherlands | 2007 |
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- International training on intellectual property and management of innovation
(At World Intellectual Property Organization in Geneva, Switzerland) 2005
- Team leadership 1994

JOB-RELATED SKILLS:

- Formulation and preformulation investigation on different pharmaceutical dosage forms such as solid dosage forms, parenteral and non-parenteral delivery systems.
- Awareness of GMP and GLP regulations and application of these regulations in scale up process.
- Having both theoretical and working knowledge of the cGMP and performance of all the activities according to cGMP.
- Drug development in phase I, II and III of clinical trials.
- Organizing of projects in a serial development processes from early clinical and toxicological studies till phase IV of clinical studies.
- Formulation of peptides and bioanalysis of proteins.
- Working with different cell cultures such as Caco-2 or Calu-3 cell cultures, etc.
- Different analytical analysis methods such as HPLC, UV, RIA, ELISA, FTIR, CLSM.
- Microcomputer applications (spreadsheet, graphics, presentation, and word processing) in both stand-alone and local areas network environments.
- Skilled in the use of most of the pharmaceutical processing technologies and analytical instrumentations both at laboratory and at industrial scales.

HONORS, AWARDS

- ***AAPS outstanding manuscript awards of AAPS PharmaSciTech (2017)***
The best paper award from Journal of AAPS PharmaSciTech published by AAPS (AAPS; San Diego, USA 2017)
- ***AAPS graduate award (2002)***
Pharmaceutical Technology and Drug Delivery (PT/DD) graduate award dedicated by American Association of Pharmaceutical scientists for outstanding PhD research in peroral peptide drug delivery (AAPS; Toronto, Canada 2002).
- ***CRS-Capsugel Graduate/Postdoc Award (2001)***
for outstanding graduate research dedicated by the Young Investigator Awards Committee of the Controlled Release Society (The 28th international symposium on Controlled Release of Bioactive Materials; San Diego, USA 2001).

GENERAL MEMBERSHIPS

- 2011-2018 Board Member of Nanomedicine Society of Iran
- 2011-present Research Board Member of virtual institute of medical biotechnology
- 2010-present Board Member of Controlled Release Society of Iran
- 2009-2010 Webcast committee member at CRS, USA
- 2007-2009 Head of education committee at CRS, USA

2003-2009 Member of educational committee at CRS, USA
 2003-2007 Member of award committee for 3M-garduate award
 2001-2004 Member, American Association of Pharmaceutical Scientists (AAPS)
 1998-present Member, Controlled Release Society (CRS)
 1995-present Member of Iranian Ministry of health organization
 1993-present Member of Iranian Pharmaceutical Association

SCIENTIFIC MEMBERSHIPS

2018- present Editor in Chief of Nanomedicine Research Journal, Iran
 2012- present Member of Farhangestan Adab Farsi group of Nanotechnology
 2019- present Member of Farhangestan Adab Farsi group of Pharmaceutical Sciences
 2012-2016 Editor in Chief of Journal of Pharmacoeconomics and Pharmaceutical Management, Iran
 2012-2018 Editorial Board Member of Journal of Research in Pharmacy Practice, Iran
 2011-2016 PhD Board Member of Pharmacoeconomics and Pharmaceutical Management, Iran
 2011-present Editorial Board Member of Controlled Release Journal, Iran
 2010- present Editorial Board Member of Drug Delivery Letters, Germany
 2010-2015 Editorial Board Member of Drug Delivery and Translational Research, USA
 2007-present Editorial Board Member of Research in Pharmaceutical Sciences, Iran
 2016-present Associate Regional Editor of Pharmaceutical Nanotechnology, UK

AREA OF RESEARCH INTEREST

- Development, formulation and designing novel drug delivery systems
- Nanotechnology
- Peptide & Gene delivery
- Biotechnology of peptides and natural products
- Formulation of pharmaceutical dosage forms

ACADEMIC AND TEACHING ACTIVITIES:

2008- Present **PharmD** = “Physical Pharmacy 1, Pharmaceutics 3, Management”
PhD = “Physical Pharmacy, Pharmaceutical Technology, Novel Drug Delivery Systems, Intellectual Property Rights, General Management, International Marketing, R&D management, Control Management”

2005- 2008 **“Novel Drug Delivery Systems, Peptide and Gene Delivery”**
 Biopharmaceutical Technology courses for pharmacy PhD student, Isfahan faculty of pharmacy, Isfahan Medical University, Isfahan, Iran

1998-2002 **“Solid dosage forms and formulations,”**
 Pharmaceutics course for biopharmaceutical undergraduate students, Leiden/Amsterdam Center for Drug Research, Leiden University, Leiden, The Netherlands

EXECUTIVE ACTIVITIES:

- 2010** Scientific committee member of 3rd International Congress on Nanoscience and nanotechnology, 9-11 of November 2010, Shiraz, IRAN
- 2014** Executive Chairman of the 6th Iran CRC and the 1st Middle East controlled release conference, Tehran, Iran
- 2008-present** Head of Patent Office of Tehran University of Medical Sciences, IRAN

PhD thesis defended		
No	Title	Student Name
1	Preparation and evaluation of injectable Chitosan-based implant for intratumoral gene delivery	Sepideh Safari
2	Design and development of intraocular polymeric implant systems for long-term controlled-release of clindamycin phosphate for toxoplasmic retinochoroiditis	Lena Tamadon
3	Design of Nanoparticles loaded Acyclovir for Controlled Delivery System	Shadab Shahsavari
4	Experimental studies and modeling process for preparation of nanoparticles using supercritical CO ₂	Javad Karimi Sabet
5	Preparation and Characterization on Nanoparticles Composed of Quaternized Aromatic Derivatives of Chitosan for Oral Insulin Delivery	Reza Mahjub
6	Preparation and Characterization of a Novel Polymeric Micelle Based on Hyaluronic Acid and Phospholipids for Targeted Delivery of Paclitaxel	Ebrahim Saadat
7	Preparation of Insulin Nano-particles using dipeptides and vitamin B12 derivatives of chitosan and TMC for oral delivery	Nersi Jafari-Omid
8	Preparation of Teriparatide nanocomposite formulation using nanoparticles loaded hydrogel	Nika Bahari-Javan

9	Preparation and formulation of Fingolimod controlled release by means of PHBV Nanospheres loaded in grafted Alginate hybrid system	Leila Rezaeei Shirmard
10	Cost-utility of hemaphys in transfusion dependent B-Thalassemia patients topoietic stem cell transplantation versus chelation therapy in Iran	Meysam Seyedifar
11	Preparation and evaluation of insulin controlled release formulation using PHBV Nanospheres loaded composite hydrogel	Samane Bayrami

PharmD thesis defended		
No	Title	Student Name
1	Preparation of raloxifene nanoparticles using supercritical CO ₂	Ali Keshavarz
2	Preparation and characterization of long chain alkylated chitosan for use in insulin oral drug delivery	Elnaz-sadat Shamsa
3	Preparation and characterization of alginate/ trimethyl chitosan nanoparticles containing cationic β -cyclodextrin polymers for insulin oral delivery	Maryam Mansorpour
4	Preparation and evaluation of tyrosine and alanine chelate with iron for treatment of iron deficiency anemia	Marzieh Zargaran
5	Formulation and physic-chemical evaluation of pluronic micelles containing paclitaxel and lapatinib	Pouya Dehghan Klilshadi
6	Formulation & evaluation of novel polymeric micelle for articular delivery of triamcinolone	Naimeh Shakour
7	Development and characterization of Parenteral Implant Containing Methotrexate-Magnetic Nanoparticles	Zeynab Ehsanfar
8	Design and formulation of olanzapine nanosystems using MIP	Betolhoda Morovati Mahini
9	Preparation and evaluation of nanoparticles composed of N-Trimethyl-O-Carboxymethyl chitosan for oral delivery of Heparin	Mujan Radmehr
10	Privatization of pharmaceutical industry in developing countries : A qualitative study on the experience of Iran	Hooman Sadeghi
11	Design and preparation of oral controlled release formulation of fampiridine	Shirin Tehrani
12	A comparison between 0.2% chlorhexidine mouthwash with anti discoloration system (ascorbic acid and sodium	Ghazaleh Mozafari

	metabisulfite) and regular 0.2% chlorhexidine mouthwash in producing stain and controlling plaque and gingivitis in patients with chronic periodontitis	
13	Evaluation of Validation Plans and Validation Activities in Iranian Pharmaceutical Industries	Mohsen Dehghan Dehnavi
14	Preparation and evaluation of in situ forming implant for controlled delivery of Aripiperazole	Ashkan Hedayati
15	Design, Preparation and characterization of Implants Containing Triptorelin Acetate	Kourosh Toupchi
16	Preparation and characterization of nanoparticles made of derivatives alkylated and aromatize chitosan to improve the bioavailability of the cyclosporine	Robabeh Alahyar
17	Studying the neuroprotective effects of NP3 protein compound on destruction of memory by beta-amyloid in Morris Water Maze method	Mostafa Piralı Hamdani
18	Design and Evaluation of metronidazole-loaded PHBV/Chitosan nanofibrous electrospuns	Golnoush Zamanian
19	Evaluation of morphologic characteristics of prolonged release Pramipexole-PHBV nanoparticles	Negar Sadat Moosavi Hasab
20	Prolonged injectable formulation of Nafarelin using in situ gel combination delivery system	Behnoush Alizadeh
۲۱	Formulation and characterization of a sustained release injectable formulation of Octreotide nanoparticles made by chitosan and PEG-heparin	Mahdieh Ghofrani
۲۲	Synthesis and evaluation of thermosensitive hydrogel consisting of carrageenan and poloxamer for parenteral controlled delivery of Aripiperazole	Sina Ghafourzadeh Yazdi
۲۳	Preparation and evaluation of mitomycin cream on scars after surgery on humans	Najmeh Mahjourian Dehkordi
24	Preparation, optimization and characterization of liposomes containing paclitaxel and lapatinib for drug delivery to breast cancer cells	Fatemeh Ravar
25	View of the current rules and regulations for registration and approval of biopharmaceutical products in Iran and other countries	Zahra Kalantari

MS thesis defended		
No	Title	Student Name

1	Preparation and Formulation of Extended Release Tablet of Metoprolol succinate and Study of Mass Transfer of metoprolol	Nadia Larki
2	Extraction and purification of phosphatidylcholine (PC) from soybean lecithin for using in drug delivery systems	Sadigheh Khosravani-nia
3	Synthesis of magnetic polyurethane elastomers for designing of Nanoparticulate Insulin slow release delivery system	Reyhaneh farjollah
4	Preparation and Evaluation of Insulin nanoparticles based on cationic Beta-cyclodextrin and chitosan derivatives for oral delivery of insulin	Leila Sharifi
5	Synthesis of nanoparticles of polyurethane-chitosan containing mesalazine	Seyed Farzad Mirabassi
6	Synthesis of Polyurethane Nanoparticles Loaded with Raloxifene Hydrochloride for Drug Delivery	Niloofer Babanejad
7	Preparation and Physicochemical Evaluation of Cochleate-based Carriers for Insulin	Sepideh Karimi Afshar
8	Preparation and Characterization of Mesalazine Loaded Chitosan Nanoparticles	Simin Seifirad
9	A study on the effect of oral administration of GnRHa + nano particles of chitosan as a nano carrier in ovary development of goldfish <i>Carassius auratus</i>	Kazem Koukaram
10	Synthesis and Characterization carriers based on nanotubes linked with Chitosan and loading drug	Mansoureh Ghorbani
11	Thermal Conductivity Enhancement of Encapsulated Phase Change Materials Using Diamond Nano-particles	Fahimeh Motaharnejad
12	Formulation of solid liquid nanoparticles containing herbal extracts of <i>Dracocephalum moldavica</i> L. and <i>Viola tricolor</i> L. as a sunscreen	Nasim Mohammadi
13	Preparation and evaluation of methylated N-(4,N,N-dimethyl amino benzyl) chitosan nanoparticles for oral delivery of octreotide	Sare Kalantari
14	Preparation and evaluation of Resperidone implants using PLGA polymer	Asieh Abdollahi
15	Preparation and optimization of chitosan-methotrexate nanoparticles by Box-Behnken design for targeted drug delivery in tumor	Hamidreza Naghibi Beidokhti
16	Preparation and characterization of sustained released Risperidone microspheres with chitosan	Parisa Latifi

List of Publications

A- Scientific Articles

1. Hamid Reza Naghibi Beidokhti, Reza Ghaffarzadegan, Sasan Mirzakhanelouei, Leila Ghazizadeh and Farid Abedin Dorkoosh, Preparation, Characterization, and Optimization of Folic Acid-Chitosan-Methotrexate Core-Shell Nanoparticles by Box-Behnken Design for Tumor-Targeted Drug Delivery; **AAPS PharmSciTech** 18 (2017) 115-129.
2. Farzad Mirabbasi, Farid A. Dorkoosh, Abolghasem Moghimi, Shadab Shahsavari, Niloofar Babanejad and Simin SeifiRad, Preparation of Mesalamine Nanoparticles Using a Novel PolyurethaneChitosan Graft Copolymer; **Pharmaceutical Nanotechnology** 5 (2017) 1-10.
3. Pouya Dehghankelishadi, Ebrahim Saadat, Fatemeh Ravar, Maliheh Safavi, Mahboobeh Pordeli, Mehdi Gholami, Farid Abedin Dorkoosh, *In vitro* and *in vivo* evaluation of paclitaxel-lapatinib-loaded F127 pluronic micelles; **Drug Development and Industrial Pharmacy** 43 (2017) 1-9.
4. Leila Rezaie Shirmard, Nika Bahari Javan, Mohammad Reza Khoshayand, Abbas Kebriaeezadeh, Rassoul Dinarvand, Farid A. Dorkoosh, Nanoparticulate fingolimod delivery system based on biodegradable poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV): design, optimization, characterization and in-vitro evaluation; **Pharmaceutical Development and Technology** 22 (2017) 1-11.
5. Nooshin Tasharrofi, Fatemeh Kouhkan, Masoud Soleimani, Zahra-Sheila Soheili, Mahboubeh Kabiri, Mohaddeseh Mahmoudi Saber, Farid Abedin Dorkoosh, Survival Improvement in Human Retinal Pigment Epithelial Cells via Fas Receptor Targeting by miR-374a; **Journal of Cellular Biochemistry** 118 (2017) 4854-4861.
6. Hassan Bardania, Shabnam Tarvirdipour, Farid Dorkoosh, Liposome-targeted delivery for highly potent drugs; **Artificial Cells, Nanomedicine, and Biotechnology** 45 (2017) 1478-1489.
7. Barbari GR, Dorkoosh FA, Amini M, Sharifzadeh M, Atyabi F, Balalaei S, Rafiee Tehrani N, Rafiee Tehrani M, 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; **Int. J. Nanomedicine** 12 (2017) 3471-3483.
8. Behnoush Alizadeh, Nika Bahari Javan, Hamid Akbari Javar, Mohammad Reza Khoshayand and Farid Dorkoosh*, Prolonged injectable formulation of Nafarelin using in situ gel combination delivery system; **Pharmaceutical Development Technology** in press.
9. Nika Bahari Javan, Hamed Montazeri, Leila Rezaie Shirmard, Nersi Jafary Omid, Ghulam Reza Barbari, Mohsen Amini, Mohammad Hossein Ghahremani, Morteza Rafiee-Tehrani, Farid Abedin Dorkoosh*, Preparation, characterization and in vivo evaluation of a combination delivery system based on hyaluronic acid/jeffamine hydrogel loaded with PHBV/PLGA blend nanoparticles for prolonged delivery of Teriparatide; **Eur. J. Pharm. Sci.** 101 (2017) 167-181.

10. Nooshin Tasharrofi, Fatemeh Kouhkan, Masoud Soleimani, Zahra-Soheila Soheili, Fatemeh Atyabi, Hamid Akbari Javar, Farid Abedin Dorkoosh*, Efficient gene delivery to primary human retinal pigment epithelial cells: The innate and acquired properties of vectors; **Int. Journal of Pharmaceutics** 518 (2017) 66-79.
11. Shadab Shahsavari, Leila Rezaie Shirmard, Mohsen Amini, Farid Abedin Dorkoosh*, Application of Artificial Neural Networks in the Design and Optimization of a Nanoparticulate Fingolimod Delivery System Based on Biodegradable Poly(3-Hydroxybutyrate-Co-3-Hydroxyvalerate); **Journal of Pharmaceutical Sciences** 106 (2017) 176-182.
12. Marzieh Zargaran, Ebrahim Saadat, Rassoul Dinarvand, Mohammad Sharifzadeh, Farid Dorkoosh*, Preparation and Bioavailability Analysis of Ferrous Bis Alanine Chelate as a New Micronutrient for Treatment of Iron Deficiency Anemia; **Advanced Pharmaceutical Bulletin** 6 (2016) 407-413.
13. Seyed Farshad Motevalizadeh, Mehdi Khoobi, Niloofar Babanejad, Elham Mohit, Pouya Dehghankelishadi, Hamid Akbari Javar, Farid A. Dorkoosh, Mohammad Ali Faramarzi, Abbas Shafiee, Novel pH-responsive multilayer magnetic nanoparticles for controlled drug delivery; **J IRAN CHEM SOC** 13 (2016) 1653-1666.
14. Pouya Dehghankelishadi, Farid A. Dorkoosh*, Pluronic based nano-delivery systems; Prospective warrior in war against cancer; **Nanomedicine Research Journal** 1 (2016) 1-7.
15. Fatemeh Ravar, Ebrahim Saadat, Mehdi Gholami, Pouya Dehghankelishadi, Mehdi Mahdavi, Samira Azami, Farid A. Dorkoosh*, Hyaluronic acid-coated liposomes for targeted delivery of paclitaxel, in-vitro characterization and in-vivo evaluation; **J. Controlled Release** 229 (2016) 10-22.
16. Hassan Bardania, Seyed Abbas Shojaosadati , Farzad Kobarfard, Farid Dorkoosh, Optimization of RGD-modified Nano-liposomes Encapsulating Eptifibatide; **Iran J Biotech** 14 (2016) 33-40.
17. Meysam Seyedifar, Farid Abedin Dorkoosh, Amir Ali Hamidieh, Majid Naderi, Hossein Karami, Mehran Karimi, Masoomeh Fadaiyrayeny, Masoumeh Musavi, Sanaz Safaei, Mohammad Mahdi Ahmadian-Attari, Molouk Hadjibabaie, Abdol Majid Cheraghali, Ali Akbari Sari, Health-Related Quality of Life and Health Utility Values in Beta Thalassemia Major Patients Receiving Different Types of Iron Chelators in Iran; **International Journal of Hematology-Oncology and Stem Cell Research** 10 (2016) 224-231.
18. Mehdi Varmaghani, Amir Hashemi-Meshkini, Akbar Abdollahiasl, Elham Heidari, Hedieh-Sadat Zekri, Saeed Yaghoubifard, Farid Dorkoosh*, An overview to pharmaceutical financing in Iran; **Journal of Pharmacoconomics and Pharmaceutical Management** 2 (2016) 45-49.

19. Ebrahim Saadat, Fatemeh Ravar, Pouya Dehghankelishadi, Farid A. Dorkoosh*, Development and Validation of a Rapid RP-HPLC-DAD Analysis Method for the Simultaneous Quantitation of Paclitaxel and Lapatinib in a Polymeric Micelle Formulation; **Scientia Pharmaceutica** 84 (2015) 333-345.
20. Maryam Mansourpour, Reza Mahjub, Mohsen Amini, Seyed Naser Ostad, Elnaz Sadat Shamsa, Morteza Rafiee- Tehrani and Farid Abedin Dorkoosh*, Development of Acid-Resistant Alginate/Trimethyl Chitosan Nanoparticles Containing Cationic β -Cyclodextrin Polymers for Insulin Oral Delivery; **AAPS PharmSciTech** 16 (2015) 952-962.
21. Mohammad Mahmoudzadeh , Afshin Fassihi, Farid Dorkoosh, Reyhaneh Heshmatnejad, Karim Mahnam, Hassan Sabzyan, Amir Sadeghi, Elucidation of Molecular Mechanisms Behind the Self-Assembly Behavior of Chitosan Amphiphilic Derivatives Through Experiment and Molecular Modeling; **Pharmaceutical Research** 95 (2015) 1-17.
22. Ebrahim Saadat, Naeeme Shakor, Mehdi Gholami, Farid A. Dorkoosh*, Hyaluronic acid based micelle for articular delivery of triamcinolone, preparation, in vitro and in vivo evaluation; **International Journal of Pharmaceutics** 489 (2015) 218-225.
23. Ebrahim Saadat, Asieh Abdollahi, Farid A. Dorkoosh*, Fabrication and Characterization of Risperidone Implants as an Extended Antipsychotic Delivery System, Exploring the Role of Excipients; **J Pharm Innovation** 10 (2015) 118-129.
24. Leila Rezaie Shirmard, Nika Bahari Javan, Mohammad Reza Khoshayand, Abbas Kebriaeezadeh, Rassoul Dinarvand & Farid A. Dorkoosh*, Nanoparticulate fingolimod delivery system based on biodegradable poly (3-hydroxybutyrate-co-3-hydroxyvalerate) (PHBV): design, optimization, characterization and in-vitro evaluation; **Pharmaceutical Development and Technology** 95 (2015) 1-11.
25. Gita Bagheri, Ebrahim Vasheghani-Farahani, Mehdi Ardjmand and Farid Abedin Dorkoosh*, Rheologica studies of in situ gel formation of glycerol monooleate, **Int J Current life Sci.** 5 (2015) 414-419.
26. Reza Mahjub, Farid Abedin Dorkoosh, Morteza Rafiee-Tehrani & Andreas Bernkop Schnürch, Oral self-nanoemulsifying peptide drug delivery systems: impact of lipase on drug release; **Journal of Microencapsulation** 32 (2015) 401-407.
27. Pooya Dehghan Kelishady, Ebrahim Saadat, Fatemeh Ravar, Hamid Akbari & Farid Dorkoosh*, Pluronic F127 polymeric micelles for co-delivery of paclitaxel and lapatinib against metastatic breast cancer: preparation, optimization and in vitro evaluation; **Pharmaceutical Development and Technology** 20 (2015) 1009-1017.
28. Khosro Keshavarz, Abbas Kebriaeezadeh , Seyed Moayed Alavian, Ali Akbari Sari, Farid Abedin Dorkoosh, Maryam Keshvari , Seyed Ali Malekhosseini , Saman Nikeghbalian, Shekoufeh Nikfar, Economic Burden of Hepatitis B Virus-Related Diseases: Evidence From Iran; **Hepatitis Monthly** 15 (2015) 1-9.

29. Ebrahim Saadat, Mohsen Amini, Mohammad Reza Khoshayand, Rassoul Dinarvand, Farid A. Dorkoosh*, Synthesis and optimization of a novel polymeric micelle based on hyaluronic acid and phospholipids for delivery of paclitaxel, in vitro and in-vivo evaluation; **Int. Journal of Pharmaceutics** 475 (2014) 163-173.
30. Ebrahim Saadat, Mohsen Amini, Rassoul Dinarvand, Farid A. Dorkoosh*, Polymeric micelles based on hyaluronic acid and phospholipids: Design, Characterization and cytotoxicity; **Journal of Applied Polymer Science** 131 (2014) DOI: 10.1002/APP.40944; 1-8.
31. Ebrahim Saadat, Pouya Dehghan Kelishady, Fatemeh Ravar, Farid Dorkoosh*, Development and Validation of Rapid Stability-Indicating RP-HPLC-DAD Method for the Quantification of Lapatinib and Mass Spectrometry Analysis of Degraded Products; **Journal of chromatographic science** (2014) bmu150; 1-8.
32. E. Mortazavian, Farid Dorkoosh, M. Rafiee-Tehrani, Design, characterization and ex-vivo evaluation of chitosan film integrating of insulin nanoparticles composed of thiolated chitosan derivative for buccal delivery of insulin; **Drug Development and Industrial Pharmacy** (2014) 1-8.
33. E. Mortazavian, Mohsen Amini, Farid Dorkoosh, Tina Amini, M. Rafiee-Tehrani, Preparation, design for optimization and in vitro evaluation of insulin nanoparticles integrating thiolated chitosan derivatives; **Journal of Drug Delivery Sciences and Technology** (2014) 1-9.
34. S. Shahsavari, G. Bagheri, R. Mahjub, M. Rafiee-Tehrani, F. Abedin Dorkoosh*, Application of artificial neural networks for optimization of preparation of insulin nanoparticles composed of quaternized aromatic derivatives of chitosan, **Drug Research** (2014) 1-5.
35. A. Farshchi, A. Esteghamati, A. Sari, A. Kebriaeezadeh, M. Abdollahi, F.A. Dorkoosh, M. Ebadi, The cost of diabetes chronic complications among Iranian people with type 2 diabetes mellitus; **Journal of Diabetes & Metabolic Disorders** 13 (2014) 42-9.
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