

Curriculum Vitae

Seyed Yaser Vafaei

Curriculum Vitae (CV)

Personal Data:

Name: Seyed Yaser

Surname: Vafaei

Nationality: Iranian

Date and Place of Birth: 26 March, 1982, Kermanshah, Iran

Position:

Assistant Professor

Ph.D. of Pharmaceutics, Pharm.D (Doctorate of Pharmacy)

Affiliation:

Hamadan University of Medical Science

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Iran

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Education:

1. 2009-2015: Ph.D. of Pharmaceutics. Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

2. 2002-2009: Pharm.D. (Doctor of Pharmacy). Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

Publications:

[1] Mahdaviani P, Bahadorikhalili S, Navaei-Nigjeh M, Vafaei SY, Esfandyari-Manesh M, Abdolghaffari AH, et al. Peptide functionalized poly ethylene glycol-poly caprolactone nanomicelles for specific cabazitaxel delivery to metastatic breast cancer cells. *Materials Science and Engineering: C*. 2017;80(Supplement C):301-12.

[2] S. Y. Vafaei, M. Esmaeili, M. Amini, F. Atyabi, S. N. Ostad, and R. Dinarvand, "Self assembled hyaluronic acid nanoparticles as a potential carrier for targeting the inflamed intestinal mucosa," *Carbohydrate Polymers*, vol. 144, pp. 371-381, 6/25/ 2016

[3] B. S. Varnamkhasti, H. Hosseinzadeh, M. Azhdarzadeh, S. Y. Vafaei, M. Esfandyari-Manesh, Z. H. Mirzaie, et al., "Protein corona hampers targeting potential of MUC1 aptamer functionalized SN-38 core-shell nanoparticles," *International Journal of Pharmaceutics*, vol. 494, pp. 430-444, 10/15/ 2015.

[4] S. Y. Vafaei, R. Dinarvand, M. Esmaeili, R. Mahjub, and T. Toliyat, "Controlled-release drug delivery system based on fluocinolone acetonide-cyclodextrin inclusion complex incorporated in multivesicular liposomes," *Pharmaceutical Development and Technology*, 2014, vol. 0, pp. 1-7.

[5] R. Mahjub, T. Heidari Shayesteh, M. Radmehr, S. Y. Vafaei, M. Amini, R. Dinarvand, and F. A. Dorkoosh, "Preparation and optimization of N-trimethyl-O-carboxymethyl chitosan nanoparticles for delivery of low-molecular-weight heparin," *Pharmaceutical Development and Technology*, 2014, vol. 0, pp. 1-12.

Research Interests:

Topical drug delivery

Synthesis of Amphiphilic block copolymers

Development of micro and nanoparticulate drug delivery systems

Liposomal drug delivery system

Research & Experimental Skills:

Formulation of solid & liquid dosage forms products

Analytical Method Development and Validation for Pharmaceutical Analysis

Development of Specifications for Drug Substances and Drug Products

Pharmaceutical Process Scale-Up

Polymer Design and Synthesis

Spectroscopic analysis (NMR, FTIR, HPLC, GC,UV)

Cell culture Techniques

Employments:

2014-2016: R & D Researcher at Dr. Abidi pharmaceuticals, Tehran, Iran.

2009-2010:R & D consultant at Ramopharmin pharmaceutical co, Tehran, Iran.

2008-2009: Expert at National Drug and Poison Information Center, Tehran, Iran.

2007-2008: Pharmacist at Taleghani Pharmacy, Tehran University of Medical Science.

2006-2007: Pharmacist at Shahid Abedini Pharmacy, Tehran University of Medical Science.

Poster Presentation

[1] S.Y. Vafaei, P. Mahdaviani, M. Amini, R. Dinarvand, Self-assembled nanoparticles of polycaprolactone grafted hyaluronic acid copolymer as a potential carrier for cancer therapy: Synthesis and characterization. The 1st Middle East & 6th Iranian Controlled Release Conference 2014, Tehran, Iran, 25-27 Feb 2014.

[2] S.Y. Vafaei, L. Mohammadizad, F. Atyabi, R. Dinarvand, Conjugation of naproxen onto hyaluronic acid improves its aqueous solubility. The 1st Middle East & 6th Iranian Controlled Release Conference 2014, Tehran, Iran, 25-27 Feb 2014.

[3] S.Y. Vafaei, N. Karimi, F. Atyabi, R. Dinarvand*Hyaluronic acid as a macroinitiator for ring opening polymerization of ϵ -Caprolactone: A novel method for synthesis of Amphiphilic hyaluronic acid based copolymer. The 1st Middle East & 6th Iranian Controlled Release Conference 2014, Tehran, Iran, 25-27 Feb 2014.

Honors and Awards:

1. First Prize in Nanotechnology (Poster Presentation): Self-assembled nanoparticles of polycaprolactone grafted hyaluronic acid copolymer as a potential carrier for cancer therapy: Synthesis and

characterization. The 1st Middle East & 6th Iranian Controlled Release Conference 2014, Tehran, Iran, 25-27 Feb 2014.

Scientific society memberships:

- 1- American Association of Pharmaceutical Scientists (AAPS)
- 2- Controlled Release Society
- 3- Iranian Controlled Release Society
- 4- Medical Council of Islamic Republic of Iran