

Faranak Salmannejad, Pharm.D., Ph.D.

A) Personal information

Name: Faranak

Last name: Salmannejad

Nationality: Iranian

Date of birth: 14 Feb 1984

Email address: salmannejad.f@gmail.com

Cell phone: 09128906334

Address: Unit 4, No 82, Nasseri St., after Zafar St., Vali-E-Asr Ave., Tehran, Iran.

A) Positions:

- Assistant professor of pharmacy school, Alborz University of Medical Sciences.
- CEO at Tamin Rosamed Company (2016-up to now).
- Responsible pharmacist at Behin Tamin Rosamed Company (2015-2016).
- Academic staff of pharmacy school, Alborz University of Medical Sciences (second affiliation).

B) Education:

- **2009-2015: Ph.D. in Pharmaceutics**, Department of Pharmaceutics, Faculty of pharmacy, Shahid Beheshti University of Medical Sciences, Tehran, Iran.

Thesis Title: Study on the aggregation phenomenon in proteins and evaluation of protective effects of various additives on protein aggregation, under the supervision of Prof. Dr. Reza Aboofazeli, Prof. Dr. Alireza Shafaati and Associate Prof.Dr. Nastaran Nafissi-Varcheh

- **2002-2009: Pharm. D.** Department of Pharmaceutics, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

Thesis Title: Formulation and Evaluation of Nano Ethosomes for Transdermal Delivery of Clonazepam thorough Rat Skin, under the supervision of Associate Prof.Dr. Tayebbeh Toliyat

C) Publications:

C.1) Papers:

- 1) Seyed Amir Mohsen Ziaee, Mehdi Mohammadzadeh, **Faranak Salmannejad**, Tayebeh Ghari., Seyed Amir Mohsen Ziaee, Mehdi Mohammadzadeh, Faranak Salmannejad, Tayebeh Ghari., **Journal of Medical Education** (2018), 16(3): 163-172.
- 2) Mehdi Mohammadzadeh, Shirin Hashemi, **Faranak Salmannejad**, Tayebeh Ghari., Identification of key success factors in the marketing of cosmetics based on knowledge, attitude and practice (KAP) analysis using topsis technique (the case of Iran)., **Pharmaceutical Sciences** (2017), 23(3): 222-230.
- 3) **F. Salmannejad**., N. Nafissi-Varcheh., Ectoine and hydroxyectoine inhibit thermal-induced aggregation and increase thermostability of recombinant human interferon Alfa2b. **European journal of pharmaceutical sciences** (2017), 97: 200-207.
- 4) Mehrdad Pazhouhandeh, **Faranak Salmannejad**, Nastaran Nafissi- Varcheh, Maryam Tabar zad. The Effect of Arginine as an Anti-Aggregation Excipient on Recombinant Human Growth Hormone, **Trends in Peptide and Protein Sciences** (2016), 1(1): 31-37.
- 5) **F. Salmannejad**., T.Ghari., T.Toliat., Formulation and Evaluation of Ethosomes for Transdermal Delivery of Clonazepam. **International Journal of Biosciences** (2015), 6(5): 308-316.
- 6) T.Ghari., **F. Salmannejad**., T.Toliat., Risperidone Permeation Enhancement through the Skin from Ethosomal Carriers versus Liposomal Carriers and Hydroalcoholic Solutions., **Current Research in Biological and Pharmaceutical Sciences** (2015), 4 (3): 1-6.
- 7) **Faranak Salmannejad**, Varcheh Nastaran Nafissi, Alireza Shafaati, Reza Aboofazeli. Analysis of Aggregation Behavior of Alpha Interferon during Agitation and Freeze-Thawing Stresses, **Molecular Biology Research Communications** (2014), 3(1): 275.
- 8) **F. Salmannejad**., N. Nafissi-Varcheh., A.Shafaati. And R. Aboofazeli., Study on the Effect of Solution Conditions on Heat Induced-Aggregation of Human Alpha Interferon. **Iranian Journal of Pharmaceutical Research** (2014), 13 (supplement): 27-34.
- 9) **F Salmannejad**, T Toliat, T Ghari., Effect of lecithin concentration on permeation enhancement of clonazepam through skin via nanoethosomal carriers., **Research in Pharmaceutical Sciences** (2012), 7(5): 201.

C.2) Patents:

- 1) **F. Salmannejad.**, N. Nafissi-Varcheh., A.Shafaati. and R. Aboofazeli., *Ectoine as a Protective Extremolyte of Interferon Alpha-2b against Physical Instability.*, 25 January 2015, IR 2015/86796.
- 2) **F. Salmannejad.**, A.Shafaati. and R. Aboofazeli. Inhibition of aggregation and preservation of biological activity of therapeutic proteins using extremolytes as compatible solutes.

C.3) Abstracts and Congress Presentations:

- 1) *Influence of the pH and Buffer Concentration on the Aggregation of Human Alpha Interferon in Aqueous Solution.* Fourth International Meeting on Pharmacy & Pharmaceutical sciences (IMPPS-4), September 18-21, 2014, Istanbul, Turkey / Marmara university, faculty of pharmacy, Poster presentation.
- 2) *Analysis of aggregation behavior of alpha interferon during agitation and freeze-thawing stresses.* The National Conference on Protein and Peptide Sciences, December 10-11, 2014, Shiraz, Iran, Shiraz university, Poster presentation.
- 3) *Effect of Lecithin Concentration on Permeation Enhancement of Clonazepam through Skin via Nonoethosomal Carriers.* The 13th Iranian Pharmaceutical Sciences congress (IPSC 2012), September 3-6, 2012, Isfahan, Iran, poster presentation.
- 4) *Effect of Ethanol Concentration on Permeation Enhancement of Clonazepam through Skin via Nanoethosomal Carriers.* 2012 AAPS Annual Meeting and Exposition, October 14 – 18, 2012, Chicago, USA, poster presentation.
- 5) *Preparation, Characterization and Skin Penetration Properties of Ethanolic Nanoliposomes of Risperidone.* 2012 AAPS Annual Meeting and Exposition, October 14 – 18, 2012, Chicago, USA, poster presentation.
- 6) *Preparation of Nanosized Ethosome of Clonazepam and Evaluation of Transdermal Permeation through the Skin.* 17th Iranian Pharmacy Students Seminar (IPSS 2011), October 15-17, 2011, Tehran, Iran, poster presentation.
- 7) *Preparation of Nanosized Ethosome of Risperidone and Evaluation of Transdermal Permeation through the Skin.* 17th Iranian Pharmacy Students Seminar (IPSS 2011), October 15-17, 2011, Tehran, Iran, poster presentation.
- 8) *Preparation of Nanosized Ethosome of Clonazepam and Evaluation of Permeation*

Enhancement Through The Skin as Controlled Release Drug Delivery System, The 5th International Controlled release Conference of Iran (ICRC 2011), October 4-6, 2011, Mashhad, Iran, poster presentation.

9) *Nanometric Risperidone ethosome preparation, characterization and evaluation of skin permeation properties*. The 5th International Controlled release Conference of Iran (ICRC 2011), October 4-6, 2011, Mashhad, Iran, poster presentation.

10) *Formulation and Evaluation of Ethosomes for Transdermal Delivery of Clonazepam*. The 3rd International Congress on Nanoscience and Nanotechnology (ICNN 2010), November 9-11, 2010, Shiraz, Iran, Poster presentation.

11) *Enhanced transdermal delivery of risperidone via ethanolic liposomes*. The 3rd International Congress on Nanoscience and Nanotechnology (ICNN 2010), November 9-11, 2010, Shiraz, Iran, Poster presentation.

C) Workshops:

- Business Plan in Nanotechnology Field, October 4-6, 2011, Mashhad, Iran.
- Scientific Writing, October 4-6, 2011, Mashhad, Iran.
- Patent Registration, October 4-6, 2011, Mashhad, Iran.
- HPTLC, January 12-13, 2012, Tehran, Iran.
- Metallic Biomaterials, October 30 – November 2, 2010, Tehran, Iran.
- Porous Nanocomposites, October 30 – November 2, 2010, Tehran, Iran.
- Biodegradable Biomaterials, October 30 – November 2, 2010, Tehran, Iran.
- Dental Materials and Biomaterials, October 30 – November 2, 2010, Tehran, Iran.
- Biocompatibility of Polymeric Biomaterials, October 30 – November 2, 2010, Tehran, Iran.
- Biomaterials and Nerve Repair, October 30 – November 2, 2010, Tehran, Iran.
- Principles and Application of LC-Mass, February 1-2, 2012, Tehran, Iran.
- Advanced Scientific Writing, November 12, 2009, Tehran, Iran.

D) Laboratory and Technical skills:

- Size exclusion- High performance liquid chromatography (SE-HPLC)
- SDS-PAGE
- PCR
- Fluorescence & CD spectroscopy
- Particle size analyzer (DLS)
- DSC
- TGA
- Bioassay
- Common laboratory skills (pH meter, ultracentrifuge, Rotary evaporator, Optical microscopy, ...)
- Computer based skills

E) Membership:

- Iranian Association of Pharmaceutical Scientists (IAPS), since 2006.
- Medical Council of Islamic Republic of Iran, since 2009.
- American Association of Pharmaceutical Scientists (AAPS), since 2012.

F) Research Interests:

- Protein and peptide stabilization, formulation and delivery
- Liposomal drug delivery
- Transdermal drug delivery
- Novel and innovative excipients

G) Awards

- Awarded prize for the best Ph.D student in 7th Festival of Education of Shahid Beheshti University of Medical Sciences, 2012, Tehran, Iran.
- First prize award in pharmaceutical board exam 2011, Tehran, Iran.

H) Other activities

- Peer Review of articles:
 - Iranian journal of pharmaceutical research
 - *Journal of Microencapsulation*