

# **Anahita Fathi-Azarbayjani**

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## **EDUCATION**

**National University of Singapore**, , PhD in Pharmaceutics, 2009

**Tabriz University of Medical Sciences**, Tabriz, Iran , Pharm. D in Pharmacy 2005

## **EMPLOYMENT**

**Assistant Professor**, School of Pharmacy, Urmia University of Medical sciences,  
Urmia ,Iran

## **PUBLICATIONS**

Shakeel F, Bhat MA, Haq N, **Fathi Azarbayjani A**, Jouyban A, Solubility and thermodynamic parameters of a novel anti-cancer drug (DHP-5) in polyethylene glycol 400 + water mixtures, Journal of Molecular Liquids 2017 (229) 241-245.

Pirhayati FH, Shayanfar A, **Fathi Azarbayjani A**, Martinez F, Sajedi Amin S, Jouyban A, Thermodynamic solubility and density of sildenafil citrate in ethanol and water mixtures: Measurement and correlation at various temperatures, Journal of Molecular Liquids 2017 (225) 631-635

**Fathi-Azarbayjani A**, Mabhoot A, Martínez F, Jouyban A, Modeling, solubility, and thermodynamic aspects of sodium phenytoin in propylene glycol–water mixtures, Journal of Molecular Liquid, 2016 (219) 68-73.

**Fathi-Azarbayjani A**, Abbasi M, Vaez-Gharamaleki J, Jouyban A,, Measurement and correlation of deferiprone solubility: Investigation of

solubility parameter and application of van't Hoff equation and Jouyban–Acree model, *Journal of Molecular Liquids*, 2016 (215) 339-344.

**Fathi Azarbayjani A**, Sajed-Amin S, Panahi-Azar V, Asadpour-Zeynali K, A Jouyban, Co-solubilization of lamotrigine by complexation and micellization in binary solvent mixtures, *Chemical Engineering Research and Design*, 2016 (105) 64-70.

**Fathi Azarbayjani A**, Jouyban A, Surface tension in human pathophysiology and its application as a medical diagnostic tool, *Bioimpact* 2015 (5) 29-44.

**Fathi Azarbayjani A**, Kai Xin Ng, Chan YW, Chan SY, Lipid Vesicles for the Skin Delivery of Diclofenac: Cerosomes vs. Other Lipid Suspensions *Advanced Pharmaceutical Bulletin*, 2015(5)25-33.

**Fathi Azarbayjani A**, Leng TP, Ying CY, Chan SY, Ascorbic Acid for Sunscreen Agent Safe Use: Accumulation of Nano Zinc Oxide and Titanium Dioxide on the skin, *Scientia Pharmaceutica*, 2013 (81) 1141-1150.

Khoubnasabjafari M, Jouyban V, **Fathi Azarbayjani A**, Jouyban A, Application of Abraham solvation parameters for surface tension prediction of mono-solvents and solvent mixtures at various temperatures, *Journal of Molecular Liquids*, 2013 (178) 44-56.

Jouyban A, Maljaei SH, Khoubnasabjafari M, **Fathi Azarbayjani A**, A global model to predict density of non-aqueous binary mixtures at various temperatures, *Indian Journal of Chemistry*, 2012, 695-698.

**Fathi Azarbayjani A**, Khu JV, Chan YW, Chan SY, Development and characterization of skin permeation retardants and enhancers: A comparative study of levothyroxine-loaded PNIPAM, PLA, PLGA and EC microparticles *Biopharmaceutics & drug disposition*, 2011, 32 (7), 380-388.

**Fathi Azarbayjani A**, Venugopal JR, Ramakrishna S, Lim FC, Chan YW, Smart polymeric nanofibers for topical delivery of levothyroxine, *Journal of Pharmacy & Pharmaceutical Sciences* 2010, 13 (3), 400-410.

**Fathi Azarbayjani A**, L Qun, YW Chan, SY Chan, Novel vitamin and gold-loaded nanofiber facial mask for topical delivery, *Aaps Pharmscitech*, 2010, 11 (3), 1164-1170

Jouyban A, Soltani S, **Fathi Azarbayjani A**, WE Acree Jr, Modeling the retention behavior of analytes in RPLC with mixed solvent mobile phases using Jouyban-Acree and Abraham models *Analytical Methods*, 2010 (2) 1286-1297.

**Fathi Azarbayjani A**, Lin H, Yap CW, Chan YW, Chan SY, Surface tension and wettability in transdermal delivery: a study on the in-vitro permeation of haloperidol with cyclodextrin across human epidermis, *Journal of Pharmacy and Pharmacology*, 2010, 62 (6), 770-778.

**Fathi Azarbayjani A**, Chan SY, Single and multi-layered nanofibers for rapid and controlled drug delivery, *Chemical and Pharmaceutical Bulletin*, 2010, 58 (2), 143-146.

**Fathi Azarbayjani A**, Jouyban A, Chan SY, Impact of surface tension in pharmaceutical sciences, *Journal of Pharmacy & Pharmaceutical Sciences*, 2009, 12 (2), 218-228.

**Fathi Azarbayjani A**, Tan EH, Chan YW, Chan SY, Transdermal delivery of haloperidol by proniosomal formulations with non-ionic surfactants, *Biological and Pharmaceutical Bulletin* 2009, 32 (8), 1453-1458.

Jouyban A, **Fathi Azarbayjani A**, M Khoubnasabjafar, Mathematical representation of the density of liquid mixtures at various temperatures using Jouyban-Acree model, *INDIAN Journal Of Chemistry Section A*, 2005, 44 (8), 1553.

Jouyban A, **Fathi Azarbayjani A**, Barzegar-Jalali M, Acree WE, Correlation of surface tension of mixed solvents with solvent composition *Die Pharmazie*-2004, 59:937-941.

Jouyban A, **Fathi Azarbayjani A**, Acree WE, Surface tension calculation of mixed solvents with respect to solvent composition and temperature by using Jouyban-Acree model, *Chemical and pharmaceutical bulletin*, 2004, 52 (10), 1219-1222.

## **Books:**

Experimental and Computational Methods Pertaining to Surface Tension of Pharmaceuticals, A Jouyban, A Fathi-Azarbayjani in: **Toxicity and Drug Testing**, edited by William Acree, INTECH publishing, 2012. ISBN 978-953-51-0004-1, 2012.

## **CONFERENCES**

### **Oral presentation:**

**Anahita Fathi Azarbayjani**, J.R. Venugopal, S. Ramakrishna, S.Y. Chan, Asia Nano Conference, 3-7 November, 2008, Singapore.

**Anahita Fathi Azarbayjani**, En Hui Tan, Sui Yung Chan, The 8th Asian Cosmetic Sciences Conference, Singapore, March 2007.

### **Posters:**

**Anahita Fathi-Azarbayjani**, J.R. Venugopal, S. Ramakrishna, S.Y. Chan, Single And Multi-Layered Nanofibers For Drug Delivery , American Association of Pharmaceutical Sciences Annual meeting, Atlanta, USA, November 2008.

**Anahita Fathi-Azarbayjani**, Jia Vui Khu, Yew Weng Chan, Sui Yung Chan, Skin Penetration Retardants:Levothyroxine-Loaded PLA, PLGA, EC and PNIPAM microparticles and their potential for topical skin delivery, American Association of Pharmaceutical Sciences Annual meeting, Atlanta, USA, November 2008.

**Anahita Fathi-Azarbayjani**, J.R. Venugopal, S. Ramakrishna, S.Y. Chan, Nanofibers in drug delivery, Asia Nano, Singapore, 3-7 November, 2008.

**Anahita Fathi Azarbayjani**, Sui Yung Chan, Smart polymeric nanofibers and microparticles: A comparative study for the skin delivery of levothyroxine, Leuven, Belgium, 10-12 September, 2008.

**Anahita Fathi Azarbayjani**, En Hui Tan, Paul C. Ho, Yew Weng Chan, Sui Yung Chan, American Association of Pharmaceutical Sciences Annual meeting, San Diego, USA, November 2007.

**Anahita Fathi Azarbayjani**, Haishu Lin, Paul C. Ho, Sui Yung Chan, Pharmaceutical Sciences World Congress, Amsterdam, The Netherlands, April, 2007.

**Anahita Fathi Azarbayjani**, Sui Yung Chan, American Association of Pharmaceutical Scientists, NUS Chapter seminar, 2005.

## **PROFESSIONAL MEMBERSHIPS**

American Association of Pharmaceutical Scientists (2009)

## **ACHIEVEMENTS**

Best lecturer award, Urmia University of Medical Sciences, 2016

Governor award, West Azarbayjan province, 2015

Best pharmacist award, West Azarbayjan Province, 2014.

Researcher award, Urmia University of Medical Sciences, 2014.

Researcher award, Urmia University of Medical Sciences, 2013

Best pharmacist award, West Azarbayjan province, 2013

Best pharmacist award, West Azarbayjan province, 2012.

Researcher award, Urmia University of medical sciences, 2010.

Best teaching assistance award, National University of Singapore, 2009.

11th Razi Festival, Presidents Award, 1st rank in pharmaceutical science thesis category, 2005.

Agency for Science Technology and Research (A\*Star) award, 2005.

Best student researcher award, Tabriz University of medical sciences, 2005.