

Zahra Moradpour

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EDUCATION

Tehran University of Medical Sciences, Tehran, Iran , PhD in Pharmaceutical Biotechnology, 2010

Harvard Medical School, Harvard Institute of Proteomics, Boston, and **Arizona State University**, The Virginia G. Piper Center for Personalized Diagnostics, Biodesign Institute, Tempe, USA, Research Fellow, 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

Work experiences:

- Vice dean for Education Affairs at Urmia school of pharmacy, 1392-1395.
- Assistant professor at Urmia school of pharmacy, department of pharmaceutical biotechnology 1392-present
- Assistant professor at Shiraz school of pharmacy, department of pharmaceutical biotechnology 1389-1391

Thesis:

- **Moradpour Z.** (2006); Construction of genetically modified phage to deliver lethal CAP to *E. coli* O157:H7, Ph. D. dissertation.

- **Moradpour Z.** (2004); In vitro study of inhibition of molybdenum hydroxylases by digoxin, Pharm. D. thesis.

Supervisor of Thesis:

- **Baniasad Maryam** (2012) Screening, isolation and optimization of uricase-producing bacteria: Identification of the selected strains based upon molecular markers (16S rRNA).
- **Bavad Maryam** (2011); screening of natural water for phages against *E. coli*.
- **Khodabandelou Zahra** (2008); Isolation and Characterization of lytic phage against *E. coli* O157:H7.
- **Shahhoseini Hajar.** (2008); Isolation and Characterization of lytic phage against *Shigella dysentery*.

PUBLICATIONS

- **Zahra Moradpour**, Abdollah Ghasemian, Azam Safari, Milad Mohkam and Younes Ghasemi, Isolation, molecular identification and statistical optimization of culture condition for a new extracellular cholesterol oxidase-producing strain using response surface methodology, *Annals of Microbiology*, 2012.
- Fateme Dabbagh, **Zahra Moradpour**, Abdollah Ghasemian, Younes Ghasemi, Phylogeny of urate oxidase producing bacteria: on the basis of gene sequences of 16S rRNA and uricase protein, *IJPS*, 2012, 8(2), 99-102
- **Zahra Moradpour**, Abdollah Ghasemian, Modified phages: Novel antimicrobial agents to combat infectious diseases, *Biotechnology Advances*, 2011, 29(6), 732-738
- Laura Gonzalez-Malerva, Jaehong Park, Lihua Zou, Yanhui Hu, **Zahra Moradpour**, Joseph Pearlberg, Jacqueline Sawyer, Hallam Stevens, Ed Harlow, and Joshua LaBaer, High-throughput ectopic expression screen for

tamoxifen resistance identifies an atypical kinase that blocks autophagy, PNAS, 2011, 108 (5) pages 2058-2063.

- **Zahra Moradpour**, Zargham Sepehrizadeh, Fatemeh Rahbarizadeh, Abdollah Ghasemian, Mojtaba Tabatabaei Yazdi, Ahmad Reza Shahverdi, Genetically engineered phage harbouring the lethal catabolite gene activator protein gene with an inducer-independent promoter for biocontrol of *Escherichia coli*, FEMS Microbiology Letters, 2009, Volume 296, Issue 1, Pages 67–71.
- **Zahra Moradpour**, Maryam Torshabi, Mohammad Ali Faramarzi, Mojtaba Tabatabaei Yazdi, Younes Ghasemi, Hoda Jahandar, Gholamreza Zarrini, Microalgal transformation of androst-4-en-3,17-dione by *Nostoc ellipsosporum*, Research Journal of Microbiology, 2006, Volume: 1, Issue: 3, Pages 289-293.

Research projects:

- Investigation of apoptotic protein roles in cell death of breast cancer cell lines and stem cells, 1390, pharmacy school, shiraz university of medical sciences, shiraz, Iran
- Screening of uricase producing organisms from the nature, 1390, pharmacy school, shiraz university of medical sciences, shiraz, Iran
- Investigation of the effect of Par-4 on Breast cancer cell lines, 1390, pharmacy school, shiraz university of medical sciences, shiraz, Iran
- Screening of natural water to isolate lytic phages against *Pseudomonas aeruginosa*, 1390, pharmacy school, shiraz, Iran
- Screening of natural water to isolate lytic phages against *Proteus vulgaris*, 1390, pharmacy school, shiraz, Iran
- Screening of natural water to isolate lytic phages against *E. coli*, 1390, pharmacy school, shiraz, Iran
- Construction of genetically engineered lethal phage, 2009, pharmaceutical biotechnology department, pharmacy school, Tehran, Iran

Books:

- کتاب ایمنی زیستی در آزمایشگاه، تألیف دکتر محمد علی فرامرزی، دکتر نسترن نفیسی، دکتر زهرا مرادپور، دکتر محمد شریف زاده، انتشارات وزارت درمان، بهداشت و آموزش پزشکی، 1386
- کتاب بیوانفورماتیک به زبان ساده، ترجمه دکتر زهرا مرادپور، دکتر عبدالله قاسمیان، انتشارات خانه زیست شناسی، 1389
- کتاب کلون سازی ژن و بررسی DNA، ترجمه دکتر عبدالله قاسمیان، دکتر زهرا مرادپور، انتشارات خسروی، تهران، 1390

CONFERENCES

- Abdollah Ghasemian, **Zahra Moradpour**, Azam Safari, Alireza Eskandari, Maryam Bavand, Isolation, identification and characterization of a bacteriophage against *Proteus vulgaris*, September 16-21, 2012; Deagu, south Korea.
- **Zahra Moradpour**, Abdollah Ghasemian, Azam Safari, Maryam Bavand, Alireza Eskandari, Isolation, identification and characterization of a bacteriophage against *Pseudomonas aeruginosa*, September 16-21, 2012; Deagu, south Korea.
- Azam Safari, Abdollah Ghasemian, **Zahra Moradpour**, Younes Ghasemi, Cholesterol oxidase activity of a new isolated bacterium and optimization of culture medium using response surface methodology, European biotechnology congress, Current Opinion in Biotechnology, Volume 22, Supplement 1, September 2011, Page S88
- **Zahra Moradpour**, Abdollah Ghasemian, In vivo evaluation of a genetically engineered phage for biocontrol of *Escherichia coli*, 14TH international biotechnology symposium an exhibition of biotechnology for the sustainability of human society, September 14-18, 2010; Rimini, Italy.
- Abdollah Ghasemian, **Zahra Moradpour**, Isolation and characterization of new bacteriophages against *E. coli* strains, 14TH international

biotechnology symposium an exhibition of biotechnology for the sustainability of human society. September 14-18, 2010; Rimini, Italy.

- L. Gonzalez-Malerva, J. Park, L. Zou, Y. Hu, **Z. Moradpour**, J. Pearlberg, E. Harlow and J. LaBaer, Autophagy and Tamoxifen Resistance in Breast Cancer, Thirty-Second Annual CTRC-AACR San Antonio Breast Cancer Symposium, December 10-13, 2009; San Antonio, TX, USA.
- **Zahra Moradpour**, Maryam Torshabi, Mohammad Ali Faramarzi, Mojtaba Tabatabaei Yazdi, Younes Ghasemi, Hoda Jahandar, Gholamreza Zarrini, Microalgal transformation of androst-4-en-3,17-dione by *Nostoc ellipsosporum*, 4th Iranian Biotechnology Congress, 2005, Kerman, Iran.
- Rashidi M.R., **Moradpour Z**, Piruzpanah S. Davaran S., Investigation of digoxin in vitro effect on aldehyde oxidase and xantine oxidase, 8th Iranian seminar of pharmacy student, October, 2004, Mashhad, Iran.
- Rashidi M.R., **Moradpour Z**, Piruzpanah S. Davaran S., Investigation of digoxin in vivo effect on molybdenum hydroxylases , 8th Iranian seminar of pharmacy student, March 2002, Kerman, Iran.

PROFESSIONAL MEMBERSHIPS

Member of Elite National Foundation of Iran

ACHIEVEMENTS

- Membership of Iranian national elite foundation (بنیاد ملی نخبگان), 2010-Present.
- Research scholarship form ministry of health and medical education of Iran at Harvard medical school and Arizona State University, 2009.
- Ranked 1st in the 1st Ph.D. students seminar, January, 2008, Tehran, Iran
- Educational scholarship from Tabriz medical university for Ph. D. program at Tehran medical university, school of pharmacy, 2005-2010.

- Ranked 3rd at Pharm. D. (85 students) with GPA of 17.33 out of 20, 2004
- Ranked 2nd in nationwide Medical Basic Sciences exam of pharmacy schools in Iran, 2001
- Ranked 553 in the national (nation-wide) university entrance exam of Iran (300,000 students), 1998

RESEARCH INTERESTS

Cancer research

Phage Therapy

Protein engineering