

Curriculum vitae
Salehe Sabouri-Shahrbabak

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Personal Information

Surname: Sabouri-Shahrbabak

First name: Salehe

Date of birth: June 19, 1983

Citizenship: Iranian

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Education

2013: Ph.D. of Pharmaceutical Biotechnology, Faculty of Pharmacy, Tehran University of Medical Sciences, Tehran, Iran.

2007: Pharm. D., Faculty of Pharmacy, Kerman University of Medical Sciences, Kerman, Iran.

2001: Diploma in Experimental Sciences, Fatemieh High school, Shahrbabak, Iran.

Theses

Pharm. D Thesis: Formulation of silymarin containing vesicular systems; Evaluation of their in vitro effects on HepG2 cell line treated with H₂O₂

Ph. D Thesis: Genome analysis and genetic map determination of phage PhaxI

Publications

Articles

- 1. A suggested new bacteriophage genus: “Viunalikevirus”.** Adriaenssens EM, Ackermann H-W, Anany H, Blasdel B, Connerton IF, Goulding D, Griffiths MW, Hooton SP, Kutter EM, Kropinski AM, Lee J-H, Maes M, Pickard D, Ryu S, Sepehrizadeh Z, Sabouri Shahrabak S, Toribio AL, Lavigne R. Arch Virol, 2012; 157(10): 2035-46.
- 2. Sequence Analysis of Different Domains of *Plasmodium vivax* Apical Membrane Antigen (PvAMA-1 gene) Locus in Iran.** Motevalli Haghi A, Nateghpour M, Edrissian GhH, Sepehrizadeh Z, Mohebbali M, Khoramizade MR, Sabouri Shahrabak S, Moghimi H. Iran J Parasitol, 2012; 7(1): 26-31.
- 3. Cloning, molecular characterization and expression of a DNA-ligase from a new bacteriophage: Phax1.** Setayesh N, Sabouri-Shahrabak S, Bakherad H, Sepehrizadeh Z. World J Microbiol Biotechnol. 2013; 29 (12):2227-31.
- 4. Isolation, characterization and complete genome sequence of PhaxI: an anti-*Escherichia coli* O157:H7 phage.** Sabouri Shahrabak S, Khodabandehlou Z, Shahverdi AR, Skurnik M, Ackermann H-W, Tabatabaei Yazdi M, Sepehrizadeh Z. Microbiology, 2013; 159: 1629-38.
- 5. Is it necessary to change assessment methods for higher education students?** Sabouri S. Strides Dev Med Educ. 2015; 12 (1): 290-291. [In Persian]
- 6. A minireview on the *in vitro* and *in vivo* experiments with anti-*Escherichia coli* O157:H7 phages as potential biocontrol and phage therapy agents.** Sabouri-Shahrabak S, Sepehrizadeh Z, Amirpour-Rostami S, Mikael Skurnik. Int J Food Microbiol. 2017; 243: 52-57.
- 7. The efficacy of montelukast in adjunct with amoxicillin in treatment of acute otitis media (AOM) in children.** Rahmati M.B., Sabouri S, Sabouri F. Int J Pediatr. 2017; 5 (1): 4257-4262.
- 8. Comparison of team-based learning versus lecture-based method in pharmaceutical biotechnology course for pharmacy students.** Sabouri-Shahrabak S, Dehghani MR. [Strides Dev Med Educ; Accepted, In Persian]

Books

Contribution in translation: “Fundamentals of pharmacognosy and phytotherapy”, 2004,
Heinrich Michael.

اصول فارماکوگنوزی و گیاه درمانی، جلد اول و دوم، ۱۳۸۹

Sequence Submissions

- Plasmodium vivax apical membrane antigen mRNA, partial cds. Motevalli-Haghi, A., Nateghpour, M., **Sabouri, S.**, Mohebali, M., Edrissian, G., Khorramizadeh, M., Eshraghian, M.R. and Sepehrizadeh, Z. GenBank: HM535663.1, JF682785.1-90.1 (7 sequences).
- Complete Genome sequence of PhaxI phage. **Sabouri Shahrabak, S.**, Sepehrizadeh, Z., Khodabandehlou, Z., Shahverdi, A., Tabatabaei Yazdi, M. JN673056.1.

Congress presentations and contribution

- **Sabouri Shahrabak S**, Pardakhty A, Fekri A. Formulation of methoxsalen cream. 11th Seminar of Iranian Pharmacy Students, 2005, Shiraz, Iran
- **Sabouri Shahrabak S**, Pardakhty A, Mehrabani M. Formulation of niosomes containing silymarin. 12th Seminar of Iranian Pharmacy Students, 2006, Sari, Iran
- **Sabouri Shahrabak S**, Pardakhty A, Mehrabani M, Nematollahi Mahani SN. Improvement of protection effect of silymarin against oxidative stress of H₂O₂ in HepG2 cell line following entrapment in niosomes. 11th Iranian Pharmaceutical Sciences Conference, 2008, Kerman, Iran
- Sahebgharani M, Sepehrizadeh Z, Talebi M, **Sabouri Shahrabak S**, Esmaeili J, Jaber E. The protective effect of low dose of SNP on L-DOPA induced apoptosis. 16th World Congress of Basic and Clinical Pharmacology Copenhagen, Denmark, 17-23 July 2010.
- Referee of biotechnology section in 15th seminar of Iranian Pharmacy Students, 2010, Kerman, Iran.
- Invited lecturer in “Transgenic products, safe products” conference held in Shahid Bahonar University, Kerman, Iran. 2016.

Theses Consulted or Supervised

- Advisor, Pharm. D thesis: “Investigation of different physico-chemical parameters on killing effect of PhaxI in decontamination with *E. coli* O157:H7”, Tehran University of Medical Sciences, 2012.
- Advisor, Pharm. D thesis: “Isolation and molecular identification of polyhydroxyalkanoate producing bacterial strain”, Kerman University of Medical Sciences, 2016.
- Supervisor, Pharm. D thesis: “Isolating anti- *Pseudomonas aeruginosa* lytic phages from water and sewage samples and evaluation of the host range”, Kerman University of Medical Sciences, 2016.
- Supervisor, Pharm. D thesis: “Isolation and host range evaluation of lytic phages against *Escherichia coli* O157:H7”, Kerman University of Medical Sciences, 2016.
- Supervisor, Pharm. D thesis: “Evaluation of cytotoxicity of some new 5-nitroimidazole derivatives on A549, MCF7, and HT-29 cell lines”, Kerman University of Medical Sciences, 2017.
- Supervisor, Pharm. D thesis: “Evaluation of cytotoxic effects of Thujone on A549 and U87 MG cell lines”, Kerman University of Medical Sciences, 2017.

Teaching experiences

- Pharmaceutical biotechnology
- Biological products
- Animal cell culture
- Molecular biology

Techniques and Experiences

- Bacterial and phage and mammalian cell culture techniques
- PCR, RT-PCR and real time PCR
- Agarose and SDS-PAGE Gel Electrophoresis
- Ligation, cloning and bacterial transformation
- Plant, animal, phage and bacterial genome and plasmid extraction
- Genome sequencing and annotation

- Analytical Methods: UV spectroscopy, TLC, ELISA
- Cytotoxicity evaluation (MTT and WST-1)
- Apoptosis analysis (Flow cytometry, laddering)
- Computer Skills and Bioinformatics: Word, Excel, Power Point, End note, Primer design software (Gene Runner), NCBI tools, Aragorn, TransTerm, Genome analysis tools, Design of experiment

Research Interests

- Phage therapy
- Phage genetics, enzymes and proteins
- Phage-host interaction
- Phage display for antibody production and protein interaction
- Protein engineering
- Plant extract cytotoxicity
- Pharmacy educating and training