

Curriculum Vitae



Personal Description

Name: Razieh **Surname:** Amini
Education: PhD in Molecular Medicine
Job: Lecturer of Hamedan Medical University

Responsibilities and work experiences

1993-1995: Technician of Bacteriology Lab of Hamedan University of Medical Science. Iran. (To maintain the Bacteria and supply the media and bacteriologic test for student training).

1995-1996: Technician of Medical lab of Shahid Beheshti Hospital, Behzisty Org., Hamedan.Iran. (To perform the medical microbiology tests, Hb electrophoresis, Toxoplasma IFA test. and other medical lab tests).

1998-2000: Specialist of Cytogenetic Lab., Shahid Beheshti Hospital, Behzisty Org., Hamedan.Iran. (To perform the Karyotype, G-banding, Chromosomal analysis, PCR for B-Thalasemia).

2000-2006: Lab Specialist – training director – Quality control director of Blood Transfusion Organization of Hamedan and Ilam .Iran. (To perform the ELISA, Western blot Tests, Blood coagulation tests, HLA-Typing, WBC cross- match, quality control test for blood products, and Lab equipments).

Supervisor of quality control Laboratory in Ilam blood transfusion organization (since 2004 -2006).

Research Interest:

Cancer treatment: Gene expression profiling, miRNA signatures, target-specific gene silencing and anti-neoplastic strategies' include differentiation/apoptosis induction (herbal cancer treatment). Gene delivery (viral and non-viral systems)

Teaching Experiences:

Lecturer of Hematology and Blood Transfusion Medicine in Ilam University of Medical Sciences .Iran. 2004-2006.

Lecturer of molecular basic of disease, Gene therapy and animal cell culture in Hamedan University of Medical Sciences. 2012

Lecturer of Hematology Hamedan, Azad University of Medical Sciences .Iran. 2013-2014.

Workshops Attended

1- Total quality control management (TQM), organized by Blood transfusion organization, Tehran. Iran.2003.

3-Blood donor screening HIV Ag/Ab, organized by Blood transfusion organization, Tehran. Iran.2005.

4-Run control for monitoring the sensitivity and validity of blood screening test by EIA method, organized by Blood transfusion organization, Tehran. Iran.2005.

5-WHO work sop on the use of quality control samples in blood donor testing, organized by national serology reference laboratory, Australia (NRL) and Iranian Blood transfusion organization, Tehran. Iran.2005.

Educational Background

2012-2013: PhD degree in Molecular Medicine (University Putra Malaysia).

2000-2003: Master of Science in Hematology and Blood Bank (Blood Transfusion Organization of Iran, IBTO, - Research Center). The first honor student in entrance examination of Ministry of Health.

1996-1998: Bachelor degree in Medical Laboratory Technology (Ahvaz University of Medical Science Iran). The first honor student in B.Sc.

1990-1993: Associate degree in Medical Laboratory Technology (Hamedan University of Medical Science. Iran).

Techniques

Cell Cultur (adherent, suspension), Cloning, Wesern blot, ELISA, siRNA , Real-Time PCR, Production of viral vector, nanoparticle gene deliver, flow cytometry, Cytotoxicity assay, Transfection, transduction, *In vivo* delivery (animal model).

Publications

Selected papers presented in Congress:

- 1- Ebrahimi A., Saeidy S., Kamransaleh E., and Amini R., et al. Role of clinical examination to rule out of chromosomal abnormalities: A report of 650 cases in a population referred from the west of Iran: Cytogenetic Lab., Shahid Beheshti Hospital, Behzisty Org., and Hamedan.Iran. 4 th European cytogenetic conferences. September 6-9, 2003.Bologna, Italy.
- 2- Development of a novel oral DNA vaccine delivered by *Salmonella typhi Ty21a* against Respiratory Syncytial Virus (5th Vaccine and ISV Annual Global Congress. 2011). (First author)
- 3- Dynamics of the bacterially expressed conserved immunogenic region of the human respiratory syncytial virus G protein (5th Vaccine and ISV Annual Global Congress. 2011). (Third author)

Full Articles

- 1- **Amini R.**, Pourfathollah A., et al. (2005). A survey of the frequency of major histocompatibility antigens (HLA) I, II, in ethnic group of Hamedan: Comparison between molecular and serological methods in class II antigens, (DR).*Journal of Iranian blood transfusion organization* .21:46-50.
- 2-Basati GH., Azizi Jal. F., **Amini R.**, et al. (2005). Determining the relation ship between the amount IL-6 and gastrointestinal cancers. *Two-monthly Journal medical &laboratory science*. 13:45-48.
- 3-Isolation and identification of methicillin-resistant *Staphylococcus aureus* from keys of college students using different detection methods.

Razieh Amini^{1,2}, A.S. Abdulmir³, Beh Poay Ling^{4,5}, Fatemeh Jahanshiri⁴, Ali Hematian⁶, Mohsen Zargar⁷, Zamberi Sekawi⁵ and Farid Azizi Jalilian^{5,6} British Biotechnology Journal, ISSN: 2231–2927, Vol.: 2, Issue.: 1 (January-March)

4- Isolation and identification of methicillin-resistant *Staphylococcus aureus* from students' coins. **R Amini**, AS Abdulmir, F Jahanshiri, LC Shan. *African Journal of Biotechnology*, 2012.

5- Identification and screening of Methicillin-Resistant *Staphylococcus aureus* from Nail among College Students in Malaysia. **R Amini**, AS Abdulmir, F Jahanshiri, LC Shan. *Asian life sciences*, 2012.

6- Circulation and transmission of methicillin-resistant *Staphylococcus aureus* among college students in Malaysia (cell phones as reservoir). **Razieh Amini a**, Abdulmir AS b, Cheng Chungc, Fatemeh Jahanshiric, Chyn Boon Wongc, Beh Poylingc, d, Ali Hematiane, Zamberi Sekawid, Mohsen Zargarf, Farid Azizi Jalilian. *Asian Biomed*, 2012

7- Isolation and identification of methicillin-resistant *Staphylococcus aureus* (MRSA) from nasal of college students. **Razieh Amini a**, Abdulmir AS b, Cheng Chungc, Fatemeh Jahanshiric, Chyn Boon Wongc, Beh Poylingc, d, Ali Hematian e, Zamberi Sekawid, Mohsen Zargarf, Farid Azizi Jalilian

8- Enhancement of *BifidoBacterium Pseudocatenulatum* G4 adhesion properties by calcium ions. S Mustafa, AM Yazid, **R Amini**, Z Sekawi, FA Jalilian - soeagra.com

9- Gene Expression Analysis of Leukemia Microarray Data By DAVID Program
Zali H* , **Amini R**, Shiri haris

10- Tumor Markers at a Glance
Chavoshi S1, Heidari-keshel S1,2, Ebrahimi M3, Etedali A4, Raessodati R1, Roozafzoon R3, Bahrami H3, **Amini R5**, Soleiman nejad K6

11- Studying The Urinary Proteome of Patients With IgA Nephropathy and Introducing The Biomarkers Relevant to Disease Progression Using Supervised Statistical Analysis
Kalantari S1, Nafar M2*, Samavat S2, Rezaei tavirani M3, Parvin M4, Rutishauser D5, Zubarev R5, **Amini R6**, Saidkhani A7

12- Isolation and Identification of Methicillin-resistance *Staphylococcus aureus* (MRSA) from Nasal of College Students
Razieh Amini^{1,2}, Abdulmir AS Nurul Azreen B. Mustaffa⁴,... *JOURNAL OF PURE AND APPLIED MICROBIOLOGY*, December 2013. Vol. 7(4), p. 3155-3162

13- Dynamics of Bacteriophages as a Promising Antibiofilm Agents
Azizian Reza^{1,2}, Azizi Jalilian Farid^{3*}, Sekawi Zamberi⁴, **Razieh Amini⁵,...**
JOURNAL OF PURE AND APPLIED MICROBIOLOGY, APRIL 2014. Vol. 8(2), p.
1015-1019

14- Development of two salmonella-based oral vaccines against human respiratory syncytial virus.

F Azizi Jalilian, K Yusoff, S Suhaimi, **R Amini**, Z Sekawi, F Jahanshiri
Journal of Biological Regulators and Homeostatic Agents [2015, 29(1):7-18]

Thesis related papers

15-Soluble Flt-1 gene delivery in acute myeloid leukemic cells mediating a non-viral gene carrier

R. Amini¹, F. Azizi Jalilian², A.Veerakumarasivam¹, S. Abdullah^{1,3}, A. Shahib⁴, F. Nadali⁵, R. Rosli^{1,1,3}.*

16-Lentivirus-mediated delivery of soluble FLT-1 for Acute Myeloid Leukemia

R. Amini¹, F. Azizi Jalilian², S. Abdullah^{1,3}, A.Veerakumarasivam¹, A. Shahib⁴, F. Nadali⁵, R. Rosli^{1,1,3}.* **(In process to publish)**

17-Dynamics of PEGylated-dextran-spermine nanoparticles for gene delivery to leukemic cells

R. Amini¹, S. Abdullah^{1,6}, A.Veerakumarasivam¹, H. Hosseinkhani², F. Azizi Jalilian³, A. Shahib⁴, A. J. Domb⁵, D. Ickowicz⁶, R. Rosli^{1,7*}

18- Engineered Smart Biomaterials for Gene Delivery Review Article

R. Amini^{1,2}, H. Hosseinkhani³ , Abdulamir AS ⁴, R.Rosli^{1,5}, F. AziziJalilian^{6*}

Case Report

19- Detection of HCoV HKU1 in a 2 years old girl with asthma exacerbation caused by acute pharyngitis. Submitted in *Pulmonary pediatric journal*, (First Author). (Published)

20- First report of Isolation of Boca virus in a child with lower respiratory tract infection in Malaysia, Sixth Author. *Malaysian Journal of Medical Sciences (MJMS)*. (Accepted-under publish)

21- Sewage as a rich source of phage study against *Pseudomonas aeruginosa* PAO.

Reza Azizian , Ahmad Nasser, Hasan Askari , Morovat Taheri Kalani, Nourkhoda Sadeghifard , Iraj Pakzad , **Razieh Amini**, Amir Sasan Mozaffari Nejad , Farid Azizi Jalilian. Biologicals xxx (2015) 1- 4

Submitted Gens

43 submitted gens in gene bank (Molecular epidemiology of respiratory viruses among children less than 5 years old, Malaysia).

<http://www.ncbi.nlm.nih.gov/nucleotide/?term=etemadi+putra>