Curriculum Vitae
Azra Kenarkoohi

Name: Azra Kenarkoohi
Citizenship: Iranian

Contact Address:

Medical Laboratory Sciences/Technology Department
Faculty of Applied Medical Sciences
Ilam Medical University
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Ilam Province - Ilam
I.R.Iran
Tel: +988432227114 and +988433334060 Dept of MedLabSciences

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Current Position: As the Head of the Medical Laboratory Sciences/Technology
Department

Other Position: Assistant Professor (Medical Molecular Virology), Medical
Laboratory Sciences/Technology Department

Education:
Start: September 23, 2002 (Associate's Degree), Lorestan Medical University, Lorestan
Province, I.R.Iran (Applied   Medical Sciences)

Start: September 22, 2004   BSc, Medical Laboratory Sciences/Technology, Lorestan
Medical University, Lorestan   Province, I.R.Iran (Applied   Medical Sciences)

Start: September 23, 2006   MSc MedLabSciences (Medical Virology), Tarbiat
Modares University, college of medical sciences, Tehran, I.R.Iran
- ❑ ***Thesis:*** *Phylogenetic Analysis of Torque Teno Virus in Hepatitis C Virus Infected Patients in Shiraz, Alborzi Clinical Microbiology Research Center, Namazee Hospital, Shiraz, I.R.Iran*

Start: September 23, 2010   Ph.D. (Molecular Virology), Tarbiat Modares University,
college of medical sciences, Tehran, I.R.Iran
- ❑ ***Thesis:*** *Comparison of antitumoral activity in mesenchymal stemcell and TC1transfected with Nano vector carrying thymidine kinase of HSV-1 in papilloma virus tumor model, Stem Cell Technology Research Center, Tehran, I.R.Iran*

Funded Research and Study by Different Research Institutes:

- Phylogenetic analysis of Iranian HIV isolates, AIDS Research Center, Imam Khomeini Hospital, Tehran medical University, Tehran Iran
- Analysis of Drug resistance mutations in Iranian HIV isolates, AIDS Research Center, Imam Khomeini Hospital, Tehran medical University, Tehran, I.R.Iran
- Phylogenetic Analysis of Torque Teno Virus in Hepatitis C Virus Infected Patients in Shiraz, Alborzi Clinical Microbiology Research Center, Nemazee Hospital, Shiraz, I.R.Iran
- Comparison of antitumoral activity in mesenchymal stemcell and TC1transfected with Nano vector carrying thymidine kinase of HSV-1 in papilloma virus tumor model, Stem Cell Technology Research Center, Tehran, I.R.Iran

Teaching Experience:

Teaching the following courses; (to date)
- Virology for Medical Laboratory Sciences
- Virology for GP student
- Virology for Dentistry student
- Virology for Microbiology MSc student

Continuing Research/Medical skills:
Virology detection methods, PCR and primer design, Gene cloning, cell culture, stem cell isolation and cultivation, lentiviral vector application and manipulation, immunologic test, bioinformatics and computational biology, …

Publication:
- **Azra Kenarkoohi,** Masoud Soleimani, Taravat Bamdad, Hoorieh Soleimanjahi, Hajar Estiri, Mohammad Hadi Razavi Nikoo. Efficient lentiviral transduction of Adipose Tissue-Derived mouse Mesenchymal Stem Cells and assessment of their penetration in Female Mice cervical tumor model .Iranian Journal Of Cancer Prevention.2014;4:225-31. https://www.ncbi.nlm.nih.gov/pubmed/25628843
- **Azra Kenar koohi,** Mehrdad Ravanshad, Manoochehr Rasouli, Shahab falahi, Ashraf baghban. Phylogenetic analysis of Torque Teno Virus in Hepatitis C Virus Infected Patients in Shiraz. Hept Mon.2012; 437-441. https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3437454/

- Mehrdad Ravanshad, Farzaneh Sabahi, Shahab Falahi, **Azra Kenarkoohi,** Samad Amini. Prediction of hepatitis B virus lamivudine resistance based on YMDD sequence data using an artificial neural network model. Hepat Mon. 2011; 11(2):108. http://hepatmon.com/1053.fulltext

- **Kenarkoohi A,** soleimanjahi H, Falahi S, Riahi Madvar H, Meshkat Z. The application of the new intelligent Adaptive Nero Fuzzy Inference System (ANFIS) in prediction of human papilloma virus oncogenicity potency. Arak University of Medical Sciences Journal. 2011; 13 (4) :95-105. URL: http://amuj.arakmu.ac.ir/article-1-566-en.html

- Falahi S, Ravashad M, **Kenarkoohi A**. Application of new degenerate primer set for simultaneous isolation of hyper variable subunit of ENV gene from distinct Hiv-1 genotypes. Arak University of Medical Sciences Journal. 2011; 14 (4):60-68. URL: http://amuj.arakmu.ac.ir/article-1-541-en.html

- Sh.Falahi, M.Ravanshad, **A.Kenarkoohi**; Development of a New- Fast and Sensitive One Step/One Tube Nested RT-PCR Method in Closed System by Double-Joint Primer for Detection HCV Infection. Modares Journal of Medical Sciences:Pathobiology, 2010; 13(2): 23-42. http://fa.journals.sid.ir/ViewPaper.aspx?id=112416

- Sh.Falahi, M.Ravanshad, **A.Kenarkoohi,** A.Mohammad Karimi; Sero-Prevalence of CMV in Woman's with Spontaneous Abortion in Kowsar Hospital, Ilam during 2007-2008. Modares Journal of Medical Sciences:Pathobiology, 2010; Vol. 12(4): p39-43. http://journals.modares.ac.ir/article_6120.html

- Falahi S, Ravanshad M, Kenarkohi O, Ghanbari R, Haji Abdolbaghi M. Evaluation of Touchdown Nested PCR to Circumvent Spurious Priming and Increase Specificity during HIV and GBV-C Gene Amplification. Armaghane danesh. 2010; 14 (4) :12-22. URL:http://armaghanj.yums.ac.ir/article-1-577-en.html

- **Kenarkoohi A,** Ravanshad M, Rasouli M, Sharifi Z, Falahi S. High prevalence of TORQUE TENO virus in patients with hepatitis C in Shiraz: 2008-2009. Arak University of Medical Sciences Journal. 2011; 14 (1) :87-95. URL: http://amuj.arakmu.ac.ir/article-1-604-en.html

- Falahi sh, Ravanshad M, **Kenarkoohi A**. prediction of r5, x4 hiv-1 coreceptor usage based on physicochemical properties of envelope v3-loop using artificial neural network. International Journal of Infectious Diseases 2010; (14). http://www.sciencedirect.com/science/article/pii/S1201971210020643?np=y

- **Kenarkoohi A**, Ravanshad M, Falahi sh. Development of a new genotyping system for predicting TTV genotype using evolutionary restriction map and artificial neural network. International Journal of Infectious Diseases 2010; (14). http://www.sciencedirect.com/science/article/pii/S1201971210007046

Presentations:

1. Kenarkoohi A, Ravanshad M, Rasooli M, Falahi sh. Molecular detection of torqueteno virus in plasma sample of HCV infected patients **.The 3rdIranian Congress of Clinical Microbiology** .2009

2. Kenarkoohi A, Ravanshad M, Rasooli M, Falahi sh. Simultaneous detection of multiplexed amplified human immunodeficiency virus and torque tenovirus DNA using PCR protocol. **.The 3rdIranian Congress of Clinical Microbiology** .2009.

3. Falahi sh , Ravanshad m, Kenarkoohi A. Development of semi nested pcr for simultaneous detection of HIV 1 hyper variable region from different genotype for phylogenetic analysis. **The 3rdIranian Congress of Clinical Microbiology** .2009.

کتاب ها:

1- ترجمه میکروبیولوژی پزشکی جاوتز.انتشارات حیان 2010

2- ترجمه ژن 10.انتشارات خسروی

3- HIV و ایدز برای پزشکان، پیراپزشکان، پرستاران و کارکنان بهداشت و درمان

4- درسنامه جامع علوم آزمایشگاهی. انتشارات خسروی

5- اصول کاربردی تکنولوژی DNA نوترکیب در ساخت واکسن های اسیدنوکلئیک، پدیدآورنده: شهاب فلاحی، جواد رنجبری، عذرا کنارکوهی، مهرداد روانشاد (زیرنظر)، ناشر: خسروی، دیباج، 1387

6- مبانی شناخت باکتریوفاژها و کاربرد آنها در علوم زیستی، پدیدآورنده: شهاب فلاحی، جواد رنجبری، عذرا کنارکوهی، فاطمه دوستدارعربی، ناشر: خسروی - 19 آبان، 1387

7- هپاتیت های ویروسی، پدیدآورنده: شهاب فلاحی، عذرا کنارکوهی، زهره آذرکار، مهرداد روانشاد (ویراستار)، فرزانه صباحی (ویراستار). ناشر: خسروی - 05 آبان، 1389

8- وکتورهای ویروسی، پدیدآورنده: مجید اسدی، شهاب فلاحی، عذرا کنارکوهی، فرشته امامی، داوود موسوی، مهرداد روانشاد (ویراستار)، فرزانه صباحی (ویراستار)، ناشر: خسروی، دیباج - 05 آبان، 1389

9- مبانی کنترل کیفیت در آزمایشگاه بالینی و مولکولی، عذرا کنارکوهی، شهاب فلاحی، مریم فاضلی، ایرج پاکزاد. تهران : فرهیختگان دانشگاه، ۱۳۹۵.

Manuscript Paper Under preparation:
- ❑ Detection Oncogenic cervical human papilloma virus prediction using step by step multiple logistic regressions model.
- ❑ Using time series SIR model to study the epidemiology and minimum vaccination coverage against measles in Iran
- ❑ Dynamic of measles in Iran: Application of SIR model to Measles epidemic in Iran
- ❑ Development and performance appraisal of an expert system for predicting HCV genotype using a virtual restriction map and artificial neural network

Member in Scientific Societies and Other Organization:
- ❑ Member of the Iranian society of virology

Competitions and quizzes:

Number one Graduate student in the country in 1389
Number two Master tests in the country
Number two doctorate tests in the country

Research Fields:
1- Lentiviral vectors for gene therapy
2- Detection of viruses
3- Isolation of stem cells and transduction with lentiviral vectors
4- Cloning
5- Cancer vaccination and therapy
6- Virus phylogeny and evolution
7- Viral vaccine and therapyume
8- Viral epidemiology
9- Drug resistance in microbes