***Curriculum Vitae***

**Alireza Zomorodipour** (Ph.D. in Molecular Biology),

Professor

Date of Birth: Sep. 25th 1961

Place of Birth: Tehran, Iran

**Scientific Board Member**

**Dept. of Molecular Medicine**

**Institute of Medical Biotechnology**

**National Institute of Genetic Engineering and Biotechnology (NIGEB)**

**Educations**

## B. Sc. Cell and Molecular Biology, University of Tehran, Iran (1986)

## M. Sc. Genetics, University of Umeå, Sweden (1992)

## Ph. D. Molecular Biology, University of Uppsala, Sweden (1998)

**Contacts**

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**Positions, Honors and Awards**

* **Editor-in-chief of the Iranian Journal of Biotechnology (IJB) (Since 2016)**
* Director of the Institute of Medical Biotechnology at NIGEB, Tehran-Iran (from 2017-2020)
* Head of the section of Molecular Biotechnology at NIGEB, Tehran-Iran (2012-2013)
* Research Grant from Iranian Stem Cell Council (2011).
* Outstanding operational research grant from Tarbiat Modares University, Tehran-Iran (2011)
* **Editorial board member of Journal of Cell and Molecular Research, Ferdowsi University of Mashhad (Since 2010).**
* **Member of Genetics and Biotechnology committee, Academy of Persian Language and Literature (since 2009)**
* **Editorial board member of the IJB (Since 2001).**
* Organizer of 4th workshop on  [Molecular Techniques for Cloning in Bacterial Systems](http://www.nrcgeb.ac.ir/Pdf/Molecular%20Techniques%20for%20Cloning%20in%20Bacterial%20Systems.pdf) [at NIGEB, Tehran-Iran](http://www.nrcgeb.ac.ir/Dr.zomorodi.%20wshop.html) (2006)
* Organizer of 3rd workshop on; Cloning and expression of recombinant proteins in bacterial systems at NIGEB, Tehran-Iran (2006)
* Editorial board member of Farsi Encyclopedia of Biotechnology and Genetics (2003-2005)
* Organizer of workshop on; Cloning and expression of recombinant proteins in bacterial systems, at the Medical University of Sanandaj, Sanandaj-Iran(2005)
* Organizer of the 2nd [workshop on; Cloning and expression of recombinant proteins in bacterial systems at NIGEB, Tehran-Iran (2004)](http://www.nrcgeb.ac.ir/Dr.zomorodi.%20wshop.html)
* Research Grant from ICGEB, Italy (2003)
* Organizer of the first workshop on; Cloning and expression of recombinant proteins in bacterial systems at NIGEB,Tehran-Iran (2003)
* PhD scholarship from Ministry of from the Ministry of Science, Research & Technology, Iran (1993-96)
* MSc scholarship from the Ministry of Science, Research & Technology, Iran (1990-92)

**Active Research Areas**

1. **Approaching an immuno-cell and gene therapy of breast cancer in a mouse model.**
2. **Gene therapy of hemophilia A in a mouse model**
3. **Studying the expression pattern of calumenin in breast and colorectal cancer**
4. Construction of knockout hemophilia A mouse, via interruption of the coagulation factor VIII gene.
5. Construction of knockout colorectal cell line, via interruption of Calumenin gene.
6. Studying the functions miRNAs during cancer development, studying their feasibility in diagnosis and therapy.
7. Expression of the human factor IX in mammalian cells using Adeno Associate Vector, approaching the Gene Therapy of Hemophilia B.
8. [Expression of the human factor IX in](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\hFIX%20expression.htm) mammalian expression systems, studying the function of different genetic elements including; native and heterologous introns, signal pre- and pro- peptide, etc.
9. Expression of the human factor IX in cultured Drosophila cells, studying post-translational modifications of the protein, by the insect enzyme.
10. [Expression of the human coagulation Factor VIII in cultured mammalian cell, studying the function of heterologous introns.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\hFVIII%20expression.htm)

**Research Interests**

1. **Gene therapy of Hemophilia A**
2. **Targeted therapy of cancer, approaching immune-cell and gene therapy**
3. **Molecular genetics of chemotherapy resistance of cancer**
4. **Calumenin as potential signaling mediator in cancer invasiveness**
5. Functional aspects of introns, as generally conserved entities, within the eukaryotic genomes.
6. [Expression of the human factor IX in](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\hFIX%20expression.htm) mammalian expression systems.
7. [Expression of the human coagulation Factor VIII in mammalian expression systems.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\hFVIII%20expression.htm)
8. [Periplasmic expression of recombinant proteins in *E. coli*.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\periplasmic%20expression%20of%20proteins%20in%20E.%20coli.htm)
9. [Genomic organization and molecular genetics of prokaryotes](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\prokariotic%20genomic%20organisation.htm)) [PhD thesis)](http://publications.uu.se/theses/abstract.xsql?lang=en&isbn=91-554-4344-3)

**Teaching Experiences**

- Genetic Engineering

- Advanced Genetic engineering

- Advanced Molecular Biology

- Molecular Biotechnology & Genetic engineering

**Publications**

**73-** Fahimeh Ghasemi, Fatemeh Nikumanesh, Alireza Zomorodipour. Bicistronic and Stable Expression of Human Coagulation Factor IX and Enhanced Green Fluorescent Protein in Suspension-Adapted Chinese Hamster Ovary Cells. Scientific Journal of Kurdistan University of Medical Sciences No.125/ May-July 2023/12-27. The article is in Farsi, and the [English abstract is available](https://biot.modares.ac.ir/article-22-32209-en.html)

72- Fahimeh Ghasemi, et al., Hemophilia treatment approaches, past, present and future submitted (a review paper in Farsi)

71- Aliakbar Haddad-Mashadrizeh, Maryam Moghadam Matin, Mohammad Ehsan TaghavizadehYazdi, Nazanin Gholampour-Faroji, Alireza Zomorodipour, Ahmadreza Bahrami. Direct differentiation of Human Adipose derived Mesenchymal stem cells into vascular tissues in xenotransplantation to rat eyes. Submitted to Preventive Medicine.  
  
70- Mehdi Shamsara, Abbas Jamshidizad, Aidin Rahim-Tayefeh, Maliheh Davari, Ali Rajabi Zangi, Fatemeh Masoumeh, **Alireza Zomorodipour**, Generation of Mice Models of Hemophilia A, by Introducing Novel Mutations, using CRISPR/Nickase Gene Targeting System. Accepted in Cell J (Yakhteh).

69- Ghasemi F, Maddah M, Kalhor H, Khorashadizadeh M, **Zomorodipour A**. The Impacts of G4S Mutation on N-glycosylation and conformation of the Human Coagulation Factor IX GLA domain: In silico and In Vitro Analysis. Submitted

68- Ghasemi F, Zare H**, Zomorodipour A**, Shirzeyli MH, Kieliszek M. In silico and in vitro analysis of a rational mutation in gIII signal peptide and its effects on periplasmic expression of rhGH in E. coli. Archives of Microbiology. 2022 Sep;204(9):1-0.

67- Ghorbani Mahdi, **Zomorodipour Alireza**. **Improvement of Recombinant Human Coagulation Factor IX Expression in Mammalian Cell Lines by Application of Heterologous Signal Peptides. Submitted.**

66**-** Nasri Nasrabadi Parinaz, et al**.** MiR-30a suppresses growth and invasiveness in colorectal cancer cells by targeting Calumenin. Submitted.

65- Parnian J., Hosseindokht M., Khademi, Z., Moosavi M., Soheili ZS., Samiee Sh., **Zomorodipour A.** Calumenin Knockdown, by Intronic Artificial MicroRNA, to Improve Expression Efficiency of the Recombinant Human Coagulation Factor IX**.** Published online, Journal of Biotechnology Letters. 2022. <https://doi.org/10.1007/s10529-022-03249-8>. For full text please klick on; <https://rdcu.be/cLdVG>

64- Ghasemi F, Khorramizadeh MR, Karkhane AA, **Zomorodipour A**. Studying the Expression Efficiencies of Human Clotting Factor IX Analogs, Rationally-designed for Hyper-glycosylation. Iranian Journal of Pharmaceutical Research: IJPR. 2021;20(2):523. DOI: [10.22037/ijpr.2020.112027.13503](https://doi.org/10.22037/ijpr.2020.112027.13503)

63- Aliakbar Haddad-Mashadrizeh, Maryam M. Matin, Fahimeh Shahabipour, Shabnam Ensandost, **Alireza Zomorodipou**r, Ahmad Reza Bahrami. Effects of chitosan-glycerol phosphate hydrogel on the maintenance and homing of hAd-MSCs after xenotransplantation into the rat liver.2021. Emergent Materials. https://doi.org/10.1007/s42247-021-00167-9

62- [Fahimeh Ghasemi](https://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Ghasemi)**,** [**Alireza Zomorodipour**](https://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Zomorodipour), [Ali Asghar Karkhane](https://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Karkhane), [Mohammadreza Khorramizadeh](https://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Khorramizadeh). Production of a novel hyper-glycosylated human coagulation factor ix in hek293 cells, using a glyco-engineering approach. Modares Journal of Biotechnology. 2020, 11(3): 0-0 (The article is in Farsi, [English abstract is available](https://biot.modares.ac.ir/article-22-32209-en.html))

61- Solmaz Moniri Javadhesari, **Alireza Zomorodipour**. Improvement of the recombinant human coagulation factor IX expression by co-expression of a novel transcript of Drosophila c carboxylase in a human cell line. Biotechnol Lett, Springer Nature B.V. 2020, https://doi.org/10.1007/s10529-020-02936-8

60- Parinaz Nasri Nasrabadi, Zahra Nayeri1, Ehsan Gharib, Reza Salmanipour, Fatemeh Masoomi1, Forouzandeh Mahjoubi3, **Alireza Zomorodipour.**. Establishment of a CALU, AURKA, and MCM2 gene panel for discrimination of metastasis from primary colon and lung cancers. PLOS ONE, May 29, 2020 1-22| https://doi.org/10.1371/journal.pone.0233717

59- Samira Bahrami, Mahmoud Ghaffari, **Alireza Zomorodipou**r. Production of recombinant human factor IX by propeptide modification in Drosophila S2 cell line [*Biotechnol Lett*.](http://www.ncbi.nlm.nih.gov/pubmed/26105559) 2019, doi.org/10.1007/s10529-019-02643-z

58- Mohammad Reza Sam, **Alireza Zomorodipour**, Aliakbar Haddad-Mashadrizeh, Mahdi Ghorbani2, Gholam Ali Kardar, Sohrab Sam. Functions of The Heterologous Intron-derived fragments Intra and Extra Factor IX-cDNA Coding Region on the Human Factor IX expression in HepG2 and Hek-293T cells. Accepted in the Iraninan Journal of Biotechnology (2018)

57- Gholampour-Faroji, Nazanin, Haddad-Mashadrizeh, Aliakbar, Mirahmadi, Mahdi, Monhemi, Hassan, Shahreki-Mojahed, Safoora, Bahrami, Ahmadreza, Housaindokht, Mohammadreza, Matin, M., Maryam, **Zomorodipour, Alireza**, Dadjoo, Parisa and Nohtani Mahdi. In-silico Evidences of Regulatory Roles of WT1 Transcription Factor Binding Sites on the Intervening Sequences of the Human Bcl-2 Gene. Current Bioinformatics, Bentham Science Publishers Vol 13 (2018). DOI: 10.2174/1574893612666170428114551

56*-* **Zomorodipour A**, Jahromi EM, Ataei F, et al. Position dependence of an enhancer activity of the human beta-globin intron-ii, within a heterologous gene. J Mol Med Ther 2017;1(1):19-24.

55- Meisam Jeiranikhameneh, Farzaneh Moshiri, Soheil Keyhan Falasafi, and **Alireza Zomorodipour.** Designing Signal Peptides for Efficient Periplasmic Expression of Human Growth Hormone in *Escherichia coli*, J. Microbiol. Biotechnol (2017), 27(11). doi.org/10.4014/jmb.1703.03080 Research

54**-** [Sam Mohammad Reza, Azadbakhsh Azadeh Sadat, Farokhi Farrah, Rezazadeh Kobra, Sam Sohrab, **Zomorodipour Alireza,** Haddad-Mashadrizeh Aliakbar, et al. 2016. **"Genetic modification of bone-marrow mesenchymal stem cells and hematopoietic cells with human coagulation factor IX-expressing plasmids."** Biologicals: Journal of the International Association of Biological Standardization, biologicals.2016.01.002. Epub 2016 Feb 28. doi:10.1016/j.biologicals.2016.01.002.](http://scicurve.com/paper/26928674)

53- Fahimeh Ghasemi, **Alireza Zomorodipour**, Ali Asghar Karkhane, M.Reza Khorramizadeh*. In silico* designing of hyper-glycosylated analogs for the human coagulation factor IX. Journal of *Molecular Graphics and Modelling* 2016 Jun 7; 68:39-47. doi.org/10.1016/j.jmgm.2016.05.011

52- [Zahra Hajihassan](http://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Hajihassan)1, [Seyed kazem Hosseini](http://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Hosseini), [**Alireza Zomorodipour**](http://biot.modares.ac.ir/search.php?sid=22&slc_lang=en&auth=Zomorodipour), [Codon Optimization and Comparison of Recombinant Human Activin A Expression in BL21(DE3)pLysS, BL21(DE3) Rosetta gami and BL21(DE3) Bacterial Hosts](http://biot.modares.ac.ir/article-22-1055-en.pdf). Biotechnology,Tarbiat Modares University [(JMBS) 2016, 7(2): 50-60](http://mjms.modares.ac.ir/browse.php?mag_id=802&slc_lang=en&sid=22). The article is in Farsi, English abstract is available.

51- Shohreh Khorshidi, **Alireza Zomorodipour**, Mehrdad Behmanesh. Studying the effect of human prothrombin’s signal peptide on the secretion efficiency of recombinant human FIX in HEK293T cell line. *Modares Journal of Medical Sciences*: Pathobiology ([MJMS) 2015, 18(2): 27-39](http://lcq.modares.ac.ir/browse.php?mag_id=676&slc_lang=en&sid=30)). The article is in Farsi, English abstract is available.

50- KhorshidiSh., **ZomorodipourA**., Behmanesh M.,Vatandoost J. and Bos M. H.A.. Functional expression of the human coagulation factor IX using heterologous signal peptide and propeptide sequences in mammalian cell line. [*Biotechnol Lett*.](http://www.ncbi.nlm.nih.gov/pubmed/26105559) 2015 Jun 24. DOI: 10.1007/s10529-[015-1868](callto:+1015-1868)-3

49- Solmaz Moniri Javadhesari, **Alireza Zomorodipour** and Spideh Valimehr, A small intron of *Drosophila* gamma carboxylase, not predictable in silico for 1 mammalian splicing machinery*,* is spliced improperly in human cell. *Turkish Journal of Biology*, 2015, 39 (5) 674-681, doi:10.3906/biy-1411-5.

48*-* M. Mazloum-Ardakani, E. Salehpour, M.M. Heidari, **A. Zomorodipour*.*** The effect of pomegranate juice as a natural antioxidantto prevent DNA damages is detectable by application ofelectrochemical methods. *Scientia Iranica C*, 2013, 20 (3), 566–570

47- Azadbakhsh AS, Sam MR, Farrokhi F, **Zomorodipour A.,** Mokarizadeh A. Expression of the human coagulation factor IX in the bone marrow mesenchymal stem cells. ***Iranian South Medical Journal.*** [ISMJ, 2014, 17(2): 130-140](http://ismj.bpums.ac.ir/browse.php?mag_id=36&slc_lang=en&sid=1)

46- Haddad-Mashadrizeh A, Bahrami AR, Matin MM, Edalatmanesh MA, **Zomorodipour A,** Gardaneh M, Farshchian M, Momeni-Moghaddam M. [Human adipose-derived mesenchymal stem cells can survive and integrate into the adult rat eye following xenotransplantation.](http://www.ncbi.nlm.nih.gov/pubmed/23679842) *Xenotransplantation.* 2013 May-Jun;20(3):165-76. doi: 10.1111/xen.12033. Epub 2013 May 16.

45- Haddad-Mashadrizeh A, Bahrami AR, Matin MM, Edalatmanesh MA, **Zomorodipour A,** Fallah A, Gardaneh M, Ahmadian Kia N, Sanjarmoosavi N. [Evidence for crossing the blood barrier of adult rat brain by human adipose-derived mesenchymal stromal cells during a 6-month period of post-transplantation.](http://www.ncbi.nlm.nih.gov/pubmed/23732047) *Cytotherapy.* [Cytotherapy.](https://www.ncbi.nlm.nih.gov/pubmed/23732047) 2013 Aug;15(8):951-60. doi: 10.1016/j.jcyt.2013.03.003. Epub 2013 May 31..

44- Jafar Vatandoost, **Alireza Zomorodipour**. Optimization of transfection and stable expression of human factor IX in Drosophila S2 cell. *Iranian Journal of Biology*,  [27(4](http://cell.ijbio.ir/issue_55_64_Volume+27%2C+Issue+4%2C+Winter+2015%2C+Page+598-610%2C+Page+473-617.html)), Winter 2015, Page 598-610. The article is in Farsi, English abstract is available.

43**-** Amir Amiri Yekta, Azam Dalman, Mohammad Hossein Sanati, Nayeralsadat Fatemi, Hamed Vazirinasab, Alireza Zomorodipour, Mohammad Chehrazi, Hamid Gourabi. Optimization of The Electroporation Conditions for Transfection of Human Factor IX into the Goat Fetal Fibroblasts. *Cell Journal* (Yakhteh), Vol 14, No 4, winter 2013, 270-275

42- Ali Asghar Karkhane, Bagher Yakhchali, Ferdous Rastgar Jazii1, Jafar Hemmat, Parvin Shariati, Mahvash Khodabandeh, **Alireza Zomorodipoor**. Periplasmic expression of *Bacillus thermocatenulatus* lipase in *Escherichia coli* in presence of different signal sequences. *Iranian Journal of Biotechnology,* Vol. 10, No. 4, October 2012. 255

41- Amir Amiri Yekta, Azam Dalman, Poopak Eftekhari-Yazdi, Mohammad Hossein Sanati, Abdol Hossein Shahverdi, Rahman Fakheri, Hamed Vazirinasab, Mohammad Taghi Daneshzadeh, Mahdi Vojgani, **Alireza Zomorodipour** Nayeralsadat Fatemi, Zeinab Vahabi, Shahab Mirshahvaladi, Fariba Ataei, Elmira Bahraminejad, Najmehsadat Masoudi, Mojtaba Rezazadeh Valojerdi, Hamid Gourabi. Production of transgenic goats expressing human coagulation factor IX in the mammary glands after nuclear transfer using transfected fetal fibroblast cells Received: 25 December 2011 / *Transgenic Res*. Springer Science Business Media B.V. 22:131-142 (2013). DOI 10.1007/s11248-012-9634

Transgenic Res (2013) 22:131–142

DOI 10.1007/s11248-012-9634-y

Transgenic Res (2013) 22:131–142

DOI 10.1007/s11248-012-9634-y

Transgenic Res (2013) 22:131–142

DOI 10.1007/s11248-012-9634-y

# 40- Mehdi Shakibaie, Marieh Ghafari Rahbar, [Fatemeh, Tabandeh](mailto:taban_f@nigeb.ac.i)[1](http://www.degruyter.com/dg/viewarticle/j$002fpolyeng.2012.32.issue-6-7$002fpolyeng-2011-0114$002fpolyeng-2011-0114.xml;jsessionid=564E29B024F7A262E6E2D5DA566C4B54#aff1), [Hossein Tavana,](mailto:tavanai@cc.iut.ac.ir) Alireza Zomorodipour, Sirous Ebrahimi, Mohammad Morshed. Fariba Ataie. Development of PCL-PEG nanofibrous mats as alternative carriers for recombinant Chinese hamster ovary cells. *Journal of Polymer Engineering.* Volume 32, Issue 6-7, Pages 453–461, ISSN (Online) 2191-0340, ISSN (Print) 0334-6447, DOI: [10.1515/polyeng-2011-0114](http://dx.doi.org/10.1515/polyeng-2011-0114), October 2012

39- Jafar Vatandoost, **Alireza Zomorodipour**, Majid Sadeghizadeh, Roghayeh Aliyari, Mettine H.A. Bos, Fariba Ataei. Expression of biologically active human clotting factor IX in *Drosophila* S2 cells: gamma-carboxylation of a human vitamin-K dependent protein by the insect enzyme *Biotechnology progress* 28(1) 45-51 (2012). [doi.org/10.1002/btpr.723](https://doi.org/10.1002/btpr.723)

38- M. Skakibaie, F. Tabandeh, **A. Zomorodipour**, S., Ebrahimi, F. Ataie, H. Habib Ghomi. Improvement of rCHO cell Density and Hetrologous Protein Production: Effect of Culture Conditions. *Curr Trends in Biotech and Pharmac*. Vol. 5(3) 1298-1308 (2011)

37- Mehdi Shakibaie, 1Fatemeh Tabandeh, **Alireza Zomorodipour**, Hossein Mohammad-Beigi, Sirus Ebrahimi and Hasan Habib-Ghomi. Kinetics, Experimental and Simulation Studies of Chinese Hamster Ovary Cell Growth in a Packed-Bed Bioreactor. *World Applied Sciences Journal* 15 (11): 1568-1575, 2011

36- Dalman Azam, Amiri Yekta Amir, Eftekhari-Yazdi Poopak, Sanati Mohammad Hossein1, Shahverdi AbdolHossein2, Fakheri Rahman2, Vazirinasab Hamed1, Daneshzadeh Mohammad Taghi, Vojgani Mahdi, **Zomorodipour Alireza**, Fatemi Nayyeralsadat, Vahabi Zeinab, Masoudi najmehsadat1, Rezazadeh Valojerdi Mojtaba, and Gourabi Hamid. Production of Transgenic Goats, Carrying Human Coagulation Factor IX cDNA, by Nuclear Transfer of Transfected Fetal Fibroblasts. 2010. *Iranian Journal of Biology*. Vol 23(5). 622-637, (2010) (The article is in Farsi, English abstract is available)

35- Mohammad Reza Sam, **Alireza Zomorodipour**, Mohammad Ali Shokrgozar, Fariba Ataei, Aliakbar Haddad-Mashadrizeh, Amir Amanzadeh. Enhancement of the human factor IX expression mediated, by an intron derived fragment from the rat aldolase B gene in cultured hepatoma cells*. Biotechnol Lett*. Jun 18. 32:1385-1392. (2010)

34- Gholam Ali Kardar**, Alireza Zomorodipour**, Mostafa Moin, Zahra Pourpak, Mehdi Sadeghi, Fariba Ataei. The effects of novel mutations in A1 domain of human coagulation factor VIII on its secretion level in cultured mammalian cells. *Iranian Journal of Biotechnology*. 8:3:146-156. (2010)

33- Mahmoud Shavandi, Majid Sadeghizadeh, Khosrow Khajeh, Ghasem Moheb-Ali, **Alireza Zomorodipour**. Genomic structure and promoter analysis of the dsz operon for dibenzothiophene biodesulfurization from Gordonia alkanivorans RIPI90A. *Appl Microbiol Biotechnol.* Jul;87(4):1455-61, (2010)

32- Seyed Javad Hosseini, **Alireza Zomorodipour**, Razieh Jalal, Farzaneh Sabouni and Fariba Ataei. A Study of the Expression of Functional Human Coagulation Factor IX in Keratinocytes, using a Non-Viral Vector Regulated by K14 promoter. [*Appl Biochem Biotechnol.*](javascript:AL_get(this,%20'jour',%20'Appl%20Biochem%20Biotechnol.');)162:1599-1611, (2010)

31**-** Haddad Mashadrizeh A.A., **Zomorodipour** **A**., Izadpanah, M., Sam M.R., , Sabouni. F. and Hosseini S. J. A systematic study of the function of the human beta-globin introns on the expression of the human coagulation factor IX in cultured CHO cells*. J Gene Med*. Jun 29;11 (10):941-950, (2009)

30- Shavandi M. Sadeghizadeh M., **Zomorodipour** **A**. and Khajeh K. Biodesulfurization of dibenzothiophene by recombinant Gordonia alkanivorans RIPI90A. *Bioresource Technology* 100 475–479, (2009)

29- Haddad Mashadrizeh A. A., Sam M. R., Safari, S., **Zomorodipour** **A.**, Hosseini S. J., Sabouni, F. Function of Kozak element on transient expression of a hFIX mini-gene in mammalian cell. *Teb Jonoub iran (Iran South Medicine)* 11:2 98-107, (2009) (The article is in Farsi, English abstract is available)

28- Sedigheh Safari, **Alireza Zomorodipour**and Nour Amirmozaffari. Use of a bacterially expressed human factor IX (hFIX) Gla-Domain to develop polyclonal antibody anti-hFIX. *Appl Biochem Biotechnol*. Nov;159(2):404-14, (2009)

27- Haddad Mashadrizeh A. A., **Zomorodipour** **A**., Hosseini S. J., Sabouni. F. The function of intron-1 of human beta globin gene on the expression of biologically active human factor IX in a mammalian cell line*. Blood(Khoon).* 5:4 [209-223](callto:+1209-223), (2009) (The article is in Farsi, English abstract is available)

26- Haddad Mashadrizeh A.A., **Zomorodipour** **A**., Hosseini S. J, Sabouni. F. *In silico* investigation and application of human beta-globin introns as hetrologous elements to increase the expression of human coagulation Factor IX (The article is in Farsi and English abstract is available) Iranian Journal of Biology. 11:2 98-107, (2009)

25- [Haddad Mashadrizeh A.A., Sabouni F.,](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf) **[Zomorodipour](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf)****[A](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf)**[.,](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf) [Hemmat J.](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf)[.](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf) [Analysis of the Non-Coding Region of the Human Factor VIII Gene in Comparison with Selected Regions of the Intron 1 of Human Factor IX (Article: in Farsi, abstract is available in English).](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf) *[Iranian Journal of Biology](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf)*[. Vol 21. 549-563, (2008) (The article is in Farsi, English abstract is available)](C:\\Documents and Settings\\zomorodi\\zomorodi\\Desktop\\Zomorodipour_files\\Amiri CV.pdf)

24- [Nadali F](http://www.biowizard.com/pmsearch.php?q=%22Nadali%20F%22%5bAuthor%5d&p=1), [Pourfathollah AA](http://www.biowizard.com/pmsearch.php?q=%22Pourfathollah%20AA%22%5bAuthor%5d&p=1), [Alimoghaddam K](http://www.biowizard.com/pmsearch.php?q=%22Alimoghaddam%20K%22%5bAuthor%5d&p=1), [Nikougoftar M](http://www.biowizard.com/pmsearch.php?q=%22Nikougoftar%20M%22%5bAuthor%5d&p=1), [Rostami S](http://www.biowizard.com/pmsearch.php?q=%22Rostami%20S%22%5bAuthor%5d&p=1), [Dizaji A](http://www.biowizard.com/pmsearch.php?q=%22Dizaji%20A%22%5bAuthor%5d&p=1), [Azizi E](http://www.biowizard.com/pmsearch.php?q=%22Azizi%20E%22%5bAuthor%5d&p=1), [**Zomorodipour A**](http://www.biowizard.com/pmsearch.php?q=%22Zomorodipour%20A%22%5bAuthor%5d&p=1)**,** [Ghavamzadeh A.](http://www.biowizard.com/pmsearch.php?q=%22Ghavamzadeh%20A%22%5bAuthor%5d&p=1) Multidrug resistance inhibition by antisense oligonucleotide against MDR1/mRNA in glycoprotein expressing leukemic cells. [*Hematology*](http://www.biowizard.com/pmsearch.php?q=%22Hematology%22%5bJour%5d) Jun 21(5): 393-401 (2007)

23- [Nadali](http://www.ofis.ir?tools&q=Nadali&d=8&b=0) F., [Poufathollah](http://www.ofis.ir?tools&q=Poufathollah&d=8&b=0) AA., [Alimoghaddam](http://www.ofis.ir?tools&q=Alimoghaddam&d=8&b=0) K., [Dizaji](http://www.ofis.ir?tools&q=Dizaji&d=8&b=0) A., **Zomorodipour** **A**., [Rostami](http://www.ofis.ir?tools&q=Rostami&d=8&b=0) Sh., [Azizi](http://www.ofis.ir?tools&q=Azizi&d=8&b=0) E., [Ghavamzadeh](http://www.ofis.ir?tools&q=Ghavamzadeh&d=8&b=0) A. Cross resistance to anticancer drugs in acute myeloblastic leukemia Pgp expressing K562 cell line  ***Blood(Khoon)***3(3):205-211 (2006) (The article is in Farsi and English abstract is available)

22- [Seyed Javad Hosseini](http://www.bloodjournal.ir/search.php?slc_lang=en&sid=1&auth=Hosseini), **Alireza Zomorodipour**[,](http://www.bloodjournal.ir/search.php?slc_lang=en&sid=1&auth=Zomorodipour) Razieh Jalal and [Farzaneh Sabooni](http://www.bloodjournal.ir/search.php?slc_lang=en&sid=1&auth=+Sabooni). [Design and construction of an epidermal keratinocyte-specific expression vector and study of the expression of human factor IX as a model](http://www.bloodjournal.ir/browse.php?a_id=64&slc_lang=en&sid=1&ftxt=1)**. *Blood(Khoon)* 3, (1): 17-27 (2006)** (The article is in Farsi, English abstract is available)

21- Shahali, M. Yakhchali, B., **Zomorodipour** **A**. and Seyedena S. Expression and Secretion of Human Granulocyte Macrophage-Colony Stimulating Factor using *Escherichia coli* Enterotoxin I Signal Sequence. *Journal of Science Islamic republic of Iran* 16(4): 327-332 (2005)

20- Fatemeh Nadali, Ali Akbar Pourfathollah, Kamran Ali-Moghaddam, , Abdolkhlegh Dizagi, **Alireza**  **Zomorodipour**, Ebrahim Azizi, Shahrbanoo Rostami and Ardeshir Ghavamzadeh. Establishment of Doxorubidin-Resistant subline from Acute Myeloid Leukemia Cell Line. *Yakhteh Medical Journal,*(2005) Vol, No 2, 86-91.

19- **Alireza Zomorodipour**, Sharareh Shojai, Ali-Asghar Karkhaneh, Abdolkhalegh Deezagi, Bagher  Yakhchali, Maryam Shahali, Fariba Ataei and Shokooh Dorchehzadeh. Use of Lactose for Effective Induction of *Escherichia coli* for Periplasmic Expression of Human Granulocyte Macrophage Colony Stimulating Factor. (Manuscript)

18- Amiri Yekta A., **Zomorodipour** **A**., Khodabandeh M., Daliri Chopari M.and Kafilzadeh F. Bacterial expression and applications of C1C2 domain of human factor VIII. *Iran J Biotech* (2006) Vol. 4, No. 2, (2006)

17- [Fahimeh Ghasemi, **Alireza Zomorodipour**, Sharareh Shojai, Fariba Ataei, Mahvash Khodabandeh and Mohammad Hossein Sanati. Using L-Arabinose induction for Production of Human Growth Hormone in *Escherichia coli*, Studying the Processing of GIII::hGH precursor. *Iranian Journal of Bioteccnology* Vol. 2, No. 4. October (2004)](http://ijb.nrcgeb.ac.ir/PDF/5%20ghasemi%20250-260.pdf)

16- Naser Amirizahdeh, **Alireza Zomorodipour**, Abdolkhalegh Deezagi, Ali Akbar Pourfathollah, Mahvash Khodabandeh, Ghasem Rastegar Lari, Hengameh Lenjannejadian, Fariba Ataie, Mojgan Salek. [Transient and Stable Expression of Biologically Active B-Domain-Deleted Recombinant Human Factor VIII in Mammalian Cells.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\Amirizahdeh_1676.pdf) *Journal of Science Islamic republic of Iran* Vol. 16, No. 2.  103-112 Spring (2005)

15- Hossein Ghanbarian , **Alireza Zomorodipour**,  Fariba Ataei, Shrareh Shojai and Bagher Yakhchali. [Expression of Human Granulocyte MacrophageColony Stimulating Factor Under Heat-Induction in *Escherichia coli.*](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\Ghanbarian_1606.pdf) *Journal of Science, Islamic republic of Iran* 15(3):203-210 (2004)

14- M. Khodabandeh, B. Yakhchali, M. Rahimi, N. Vaseli, Z. Moghaddasi Jahromi, **A. Zomorodipour**, A. Deezagi, M.H. Sanati. [Purification of large quantities of biologically active recombinant human growth hormone.  *Iranian Journal of Biotechnology* Vol.1, No.4, 207-212 (2004)](http://ijb.nrcgeb.ac.ir/PDF/2-%20Khodabandeh.pdf)

13.   [F. Tabandeh S. A. Shojaosadati, **A. Zomorodipour**, M. Khodabandeh, M. H. Sanati and B. Yakhchali.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2) [Heat-induced production of human growth hormone by high cell density cultivation of recombinant *Escherichia coli. Biotechnology letters* 26: 245-250 (2004)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[12- Seyed Safa-ali Fatemi, Baghrt Yakhchali, Jafar Towfighi Darian, Seyed Abbas Shojaosadati, **Alireza Zomorodipour**, Ali-Asghar Karkhaneh and Ferdows Rastgar Jazi. A new vision to selection of a proper strain from recombinant *E. coli* strain with the same genetic structure expressing periplasmic hGM-CSF.   *Journal of Biosci Bioeng* Vol.96. No 6, 578-580 (2003)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[11- **Alireza Zomorodipour**, Bagher Yahkchali, Mahvash Khodabandeh, Abdolkhalegh Deezagi, S. Mehdi Hosseini Mazinani, Sadeq Valian Borujeni, Mojgan Ahmadzadeh Raji, Maryam Rahimi, Ramtin Rahbar and Mohammad Hossein Sanati. The over-expression of biologically active human growth hormone in a T5-based system in *Escherichia coli. Journal of Science, Islamic republic of Iran* 15(1):27-32 (2004)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

10- [Nadali](http://www.ofis.ir?tools&q=Nadali&d=8&b=0) F., [Pourfathollah](http://www.ofis.ir?tools&q=Pourfathollah&d=8&b=0) AA., [Alimoghaddam](http://www.ofis.ir?tools&q=Alimoghaddam&d=8&b=0) K., [Dizaji](http://www.ofis.ir?tools&q=Dizaji&d=8&b=0) A., **Zomorodipour** **A**., [Rostami](http://www.ofis.ir?tools&q=Rostami&d=8&b=0) Sh., [Azizi](http://www.ofis.ir?tools&q=Azizi&d=8&b=0) E., [Ghavamzadeh](http://www.ofis.ir?tools&q=Ghavamzadeh&d=8&b=0) A. Discrimination between normal expression and overexpression of multidrug resistance gene (MDR1) by RT-PCR. [Journal of Isfahan Medical School](http://mui.ofis.ir/default.aspx?journals&journal=Journal+of+Isfahan+Medical+School).‎ 22(73):31-35 (2004) (The article is in Farsi)

[9- Jafar Kiany, **Alireza Zomorodipour**, Mojgan Ahmadzadeh Raji, Mohammad Hossein Sanati. Construction of Recombinant Plasmids for the Periplasmic Expression of human Growth Hormone in *Escherichia coli* under T7 and lac Promoter. *The* *Journal of Science Islamic republic of Iran.* Vo1.14 No.4. 311-316 (2003)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[8- Shirin Borjaliloo, **Alireza Zomorodipour**, Bagher yakhchali, and Sharareh Shojai. The comparison of T7 and lac-based system for periplasmic expression of human granulocyte macrophage colony stimulating factor in *Escherichia coli.* *The* *Iranian Journal of Biotechnology*. Vol 1. No 2 .101-108 (2003)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[7- **Zomorodipour** **A**. and Andersson S. G. Obligate Intracellular Parasites: *Rickettsia prowazekii* and *Chlamydia trachomatis FEBS Lett.* Jun 4;452 (1-2):11-5 (1999)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[6- Andersson S. G., **Zomorodipour** **A**., Andersson JO, Sicheritz-Ponten T, Alsmark UC, Podowski RM, Naslund AK, Eriksson AS, Winkler HH, Kurland CG. The Genome Sequence of *Rickettsia prowazekii* and the Origin of Mitochondria. *Nature*, Nov 12;396 (6707):133-40 (1998)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[5- Andersson S. G., **Zomorodipour** **A**., Winkler HH, Kurland CG. Unusual Organization of the rRNA Genes in *Rickettsia prowazekii*. *J Bacteriol*  Jul;177(14):4171-5 (1995)](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15049371&query_hl=2)

[**4- علي اکبر حداد مشهد ريزه، عليرضا زمردي پور، سيد جواد حسيني و فرزانه صابوني. بررسي نرم افزاري و استفاده از اينترون هاي ژن بتاگلوبين انساني به عنوان عناصر افزاينده در بيان فاکتور 9 انعقادي انسان مجله زيست شناسي ايران. جلد (4)21، 1387.**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\Zomorrodipour_1537.pdf)

[**3- مرتضي دليري، رضا خيرخواه اوغاني و** عليرضا زمردي پور. **بررسي عوامل موثر بر کارايي روش تزريق مستقيم زن به موش. مجله ژنتيک نوين، دوره دوم، شماره 1، بهار 1386.**](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=16233577&query_hl=3)

[**2- عليرضا زمردي پور. توليد هورمون رشد نوترکيب، طرح بررسي راهکارهاي ژنتيکي براي بيان بالاي هورمون رشد انساني نوترکيب در اشريشياکلي. معرفي يک پژوهش  داخلي (خبرنامه داخلي پژوهشگاه ملي مهندسي ژنتيک و زيست فناوري شماره 67  صفحه 30- 35 مهرماه 1383**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\Kiany_1528.pdf)

[**1- فريبا عطائي، حسين قنبريان. عليرضا زمردي پور، باقر يخچالي. ساخت پلاسميد بيان کننده پروتئين نوترکيب تحت القاء حرارتي در اشريشياکلي. مجله علوم پزشکي مدرس شماره 1: 37-44 بهار و تابستان 1384.**](http://ijb.nrcgeb.ac.ir/PDF/5-%20Zomorrodopur%20101-108.pdf)

[**Presentations in National & International Conferences**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\andersson98_rprow.pdf)

1. Evaluation of calumenin expression in patients with colorectal cancer. Nasri Nasrabadi P., Masoumi F., Mahjoubi F., Gharib E., **Zomorodipour A.,** Salamnipour R. The 3rd International Conference and the 11th National Conference on Biotechnology of the Islamic Republic of Iran, September 31-12, 2017.
2. Evaluation of CALU, AURKA and MCM2 gene panel for differentiate metastasis from primary cancer in colon and lung cancers. Nasri Nasrabadi P., Masoumi F., Mahjoubi F., **Zomorodipour A.,** Salamnipour R. Gharib E. The 3rd International Conference and the 11th National Conference on Biotechnology of the Islamic Republic of Iran, September 31-12, 2017.
3. Improvement of Palsmid DNA Transfer to Human SW480 Cell Line Using Modified Calcium Phosphate Method. Salamnipour R., Ghavidel P., Masoumi F., **Zomorodipour A.,** Nasri Nasrabadi P., Shamsara M. The 3rd International Conference and the 11th National Conference on Biotechnology of the Islamic Republic of Iran, September 31-12, 2017.
4. Knocking out of the calomenin gene in SW480 human cell line, using CRISPR / Cas9 genomic editing technology. Salamnipour R., Shamsara M. Ghavidel P., Nasri Nasrabadi P., Masoumi F., **Zomorodipour A**. The 3rd International Conference and the 11th National Conference on Biotechnology of the Islamic Republic of Iran, September 31-12, 2017.
5. Production of recombinant human by semi-stable factor 9 expressing HEK293-T cells, in three-dimensional culture. Ghasemi, F., Shakibaee M., **Zomorodipour A.** The 3rd International Conference and the 11th National Conference on Biotechnology of the Islamic Republic of Iran, September 31-12, 2017.
6. Construction of hemophilia type A mice using CRISPR / Cas9 gene targeting system. Jamshidi A. Shamsara M., Masoumi F., Hashemi E., Rahim-Tayefeh I. Kabir Salmani M., **Zomorodipour A.** The 3rd International Conference and the 11th National Conference on Biotechnology of the Islamic Republic of Iran, September 31-12, 2017.

113- Prinaz Nasri Nasrabadi, Fatemeh Masoumi and **Alireza Zomorodipour**, Detection and Functional Analysis of Calumenin-related microRNAs in Colorectal cancer cell line,SW480. 3rd international and 15th Iranian National Genetic congress, Tehra-Iran. 2018

112- Fahimeh Ghasemi, **Alireza Zomorodipour**, MohammadReza Khorramzadeh. Prolonged Expression of Human Coagulation Factor IX in HEK293 Cells, using a self-replicating Epstein bar Virus-based episomal System for Hemophilia B Gene therapy. Isfahan Medical University Isfahan Iran. 3rd National Congress of Molecular Medicine Azar 25-26 1395

111- Fahimeh Ghasemi, Mehdi Sadeghi, **Alireza Zomorodipour**, Mohammad Reza Khoramizade, Ali Asghar Karkhaneh. Structural Analysis of Human Coagulation Factor IX to Predict N-glycosylation Sites. The 5th Iranian Conference on Bioinformatics University of Tehran, Tehran Iran.May20-22, 2014

110- Amiri Zahra, **Zomorodipour Alireza**, Masoumi Fatemeh. Bioinformatic Prediction of Putative mirNA against Calumenin In Intronic regions of human Factor IX gene. The 6th Conference on Bioinformatics Tehran University Iran. Tehran. 13-15 Dec. 2016.

109- Karimi, **Alireza Zomorodipoor**, Zahra Soheila Soheili, Shahram Samiyi. Cloning of human factor 9 cDNA in AAV vector and assessment of its expression in HEK293-T Cells. 3rd National Congress of Molecular Medicine. Isfahan Medical University Isfahan Iran. 3rd National Congress of Molecular Medicine Azar 25-26 1395.

108- Moniri Javadhesari, Solmaz, **Zomorodipour, Alireza**. *In silico* prediction of hsa-miRNA(s) targeting transcripts of human calumenin gene 2nd International and 14th National congress of Genetics. 21-23-May 2016-Tehran-Iran.

107- Moniri Javadhesari, Solmaz, **Zomorodipour, Alireza**, hosseinkhani, saman. Evaluating knockdown of calumenin by hsa-miR-30 using Dual-luciferase reporter assay system. 2nd International and 14th National congress of Genetics. 21-23-May 2016-Tehran-Iran.

106- Mohammad Reza Sam, Azadeh Sadat Azadbakhsh, Farrah Farokhi, Kobra Reza Zadeh, Sohrab Sam, **Alireza Zomorodipour**, Aliakbar Haddad-Mashadrizeh, Norouz Deirezh, Aram Mokarizadeh.Expression of human coagulation factor IX minigenes in hematopoietic and bone-marrow mesenchymal stem cells using factor IX-expressing plasmids 2nd International and 14th National congress of Genetics. 21-23-May 2016-Tehran-Iran.

105- Fatemeh Bahrami, **Alireza Zomorodipour**, Frouzandeh Mahjoubi1, Mohammad Zaefizadeh. A Study of the Expression Pattern of the Human Calumenin in Breast Cancer Tissues. 2nd International and 14th National congress of Genetics. 21-23-May 2016-Tehran-Iran.

104- Moniri javadhesari, Solmaz, **Zomorodipour, Alireza.** Studying the effect of overexpression of hsa-miR-30 on the expression level of calumeninn gene Transcripts. 2nd International and 14th National congress of Genetics. 21-23-May 2016-Tehran-Iran

103- Sh. Khorshidi, **A. Zomorodipour**. Effect of heterologous pre-pro leader sequence on the expression of the human factor IX in cultured mammalian cells. FEBS CONGRESS TU PARIS 2014. FEBS Journal 281 (Suppl. 1) (2014) 65–783

102- Zahra Khademi, **Alireza Zomorodipour**. Validation of an artificial miRNA designed to knockdown the human Calumenin gene. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th, 2014.

101- Seyed kazem Hosseini, Zahra Hajihassan, **Alireza Zomorrodipour**. Bioinformatic optimization of signal peptide of Iranian native *B. licheniformis* alpha-amylase in order to secrete recombinant proteins. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th, 2014.

100- Seyed kazem Hosseini, Zahra Hajihassan, **Alireza Zomorrodipour**. Codon optimization and sub cloning of the gene of human growth factor *Activin A*. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th, 2014.

95- Sepideh Valimehr, **Alireza Zomorodipour**, Mehdi Shamsara, Ehsan Hashemi. Construction of gene-targeting vector for producing factor VIII knockout mouse. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th, 2014.

99- Fahimeh Ghasemi, **Alireza Zomorodipour**, Mohammad Reza Khoramizade1, Ali Asghar Karkhane2, Mehdi Sadeghi. The Effect of N-glycosylation Site on the Secretion of the Recombinant Human Factor IX. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th 2014.

98- Shohreh Khorshidi, **Alireza Zomorodipour** , Mehrdad Behmanesh. Effect of Pre-Pro Leader of Pig Prothrombin on the Expression of Human Factor IX in Mammalian Cell Line. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th, 2014.

97- Moniri Javadhesari, Solmaz, **Zomorodipour, Alireza**. Studying the Effects of the Expression of Drosophila Gamma Glutamyle Carboxylase on the Human Coagulation FIX Expressed in Hek-293 Cell Line. 1st International and 13th Iranian Genetic Congress. Iran-Tehran. May 24-26th, 2014.

96- Fahimeh Ghasemi, Mehdi Sadeghi, **Alireza Zomorodipour**, Mohammad Reza Khoramizade, Ali Asghar Karkhaneh. Structural Analysis of Human Coagulation Factor IX to Predict N-glycosylation Sites. The 5th Iranian Conference on Bioinformatics University of Tehran, Tehran, May 20-22nd, 2014

95-Maryam Hosseindokht Khujin, Javad parnian, **Alireza zomorodipour**. Application of Artificial miRNA to improve the expression of hFIX. 8th Congress of Biotechnology I.R.I. 4th National Congress of Biosafety. July 6th-8th .2013, Tehran university- Iran

94-Khorshidi Shohreh, **Zomorodipour Alireza**, Behmanesh Mehrdad. Application of heterologous pre-pro leader sequence to improve the expression efficiency of recombinant human factor IX in cultured human cell line. 8th Congress of Biotechnology I.R.I. 4th National Congress of Biosafety. July 6th-8th. 2013,Tehran university- Iran

93- Khorshidi Shohreh, **Zomorodipour Alireza**, Behmanesh Mehrdad. Evaluation of human FIX expression in mammalian cell line. 3rd Medical genetic congress-Iran. 15th -16th May –Tehran-Iran

92- Maryam Hosseindokht khujin, Javad Parnian, **Alireza Zomorodipour**. miRNA, a new method for hemophilia B treatment. 1st Tabriz International Life Science Conference & 12th Iran Biophysical Chemistry Conference 22-24th May 2013

91- Khorshidi Shohreh, **Zomorodipour Alireza**, Behmanesh Mehrdad**.** In Silico investigation on the function heterologous signal peptide on the expression of recombinant Human F9 in mammalian cell line. 1st Tabriz International Life Science Conference & 12th Iran Biophysical Chemistry Conference 22-24 May 2013

90- Parnian Javad, **Zomorodipour Alireza**. Application of Intron-harbored Artificial MicroRNA Against Coagulation Factor IX Processing Pathway Inhibitors. 13th Iranian Congress of Biochemistry and 5th International Congress of Biochemistry and Molecular Biology, yazd, Iran, April.16-19,2013. Abstracts published in Iranian J Biotechnol. No. 42. Vol 11 Sup 1 Spring 2013.

89- Khorshidi Shohreh, Ataei Fariba, **Zomorodipour Alireza**. Studying the Effect of pre-pro Peptide Alteration on the Expression of Human Coagulation Factor IX in Mammalian. 13th Iranian Congress of Biochemistry and 5th International Congress of Biochemistry and Mo lecular Biology ,Yazd, Iran , April.16-19,2013. Abstracts published in Iranian J Biotechnol. No. 42. Vol 11 Sup 1 Spring 2013.

88- Maryam hosseindokht khujin, **Alireza Zomorodipour**, Javad parnian1, Hamed zare. Studying the effect of artificial intronic micor-RNA against Calumenin on the expression of human coagulation factor IX. 13th Iranian Congress of Biochemistry and 5th International Congress of Biochemistry and Mo lecular Biology , Yazd, Iran , April.16-19,2013. Abstracts published in Iranian J Biotechnol. No. 42. Vol 11 Sup 1 Spring 2013.

87-Samira Bahrami1, **Alireza Zomorodipour**, Mahmoud ghafari. Studying the effect of Asn-9 to Arg-9mutation in propeptide on the gamma carboxylation efficiency of a recombinant human FIX expressed in Drosophila S2 cells. 13th Iranian Congress of Biochemistry and 5th International Congress of Biochemistry and Mo lecular Biology , Yazd, Iran , April.16-19,2013. Abstracts published in Iranian J Biotechnol. No. 42. Vol 11 Sup 1 Spring 2013.

86- Amir Jaferian, Hossein Zolgharamein, Mehdi Mohammadi, Mohamma-Ali Salari Aliabadi, Seyed Javad Hosseini, **Alireza Zomporodipour** and Shokofeh Farahani. Study of Eleutheonema Tetradactylum populations in the Persian Gulf using microsatellite markers. INOC-CNRS, International Conference on” Land-Sea Interactions in the Coastal Zone” Junieh-Lebanon, 06-08 November-2012

85- Amir Jaferian, Hossein Zolgharnein, Mehdi Mohammadi, Mohamad-Ali, Salari- Aliabadi, Seyed-Javad Hossini, **Alireza Zomorodipour** and Shokofeh Farhadi. Study of Eleutheronema tetradactylum populations in the Persian Gulf using microsatellite markers. INOC-CNRS, International Conference on “Land-Sea Interactions in the Coastal, Zone. Jounieh. LEBANON. 06-08 November-2012.

1. Amir Jaferian, Hossein Zolgharamein, Mehdi Mohammadi, Mohamma-Ali Salari Aliabadi, Seyed Javad Hosseini, **Alireza Zomporodipour** and Shokofeh Farahani. Isolation and Characterization of DNA Microsatellite Markers in the Fourfinger Threadfin (*Eleutheronema tetradactylum*) INOC-CNRS, International Conference on” Land-Sea Interactions in the Coastal Zone” Junieh-Lebanon, 06-08 November-2012.
2. Samira Bahrami, J Vatandoost, **A. Zomorodipour**, Mahmoud Ghaffari, Fariba Ataei. Use off human prothrombin pre-pro leader peotide to improve the production of functional human FIX in cultured Drosophila S2 Cells. 17th National and 5th International Conference of Biology. 1391-Kerma- Iran.

82- J Vatandoost, **A. Zomorodipour**. Studying the effect of Overexpression of human Gamma-Carboxylase on the Expression and function of secreted hFIX from Drosophila S2 Cells. 17th National and 5th International Conference of Biology. 1391-Kerma-Iran.

1. J Vatandoost, **A. Zomorodipour**. Evaluation of the Erexpression of human hFIX in the Drosophila S2 Cells in Comparison with Mammalian cells. 17th National and 5th International Conference of Biology. 1391-Kerma-Iran.

80- Gholam Ali Kardar**, Alireza Zomorodipour**, Mostafa Moin, Zahra Pourpak, Mehdi Sadeghi, Fariba Ataei. Improving the human coagulation factor VIII secretion by introducing novel mutations in A1 domain, **1st World Congress on Controversies in Hematology (COHEM)** Rome, Italy. 2-5 Sept, 2010.

79- Elham Moeinjahromi, **Alireza Zomorodipour** and Fariba Ataei, Studying the function of the human beta globin intron-II, on the expression of the human factor IX in cultured mammalian cells, when located in the last intronic position. February 26-28, 2010, Singapore

78- Vatandoost J., **Zomorodipour A**., Ataei. Studying the Expression of Active Gamma-Carboxylated Coagulation Factor IX in Drosophila S2 cell for Expression of the Human Factor IX in Drosophila S2 Cell. European Human Genetics Conference 2010. June 12 – 15, 2010. Gothenburg, Sweden

77- M. Ghorbani**, A. Zomorodipour**, F. Ataei. Studying the Secretory Expression of the Human Coagulation Factor IX Using *Gaussia princeps* Luciferase and Human Coagulation Factor VII Signal Peptides in Cultured Mammalian Cells. European Human Genetics Conference 2010. June 12 – 15, 2010. Gothenburg, Sweden

76- Amiri Yekta Amir, Sanati Mohammad Hossein,, Vazirinasab Hamed, Fatemi Nayyeralsadat, Dalman Azam, **Zomorodipour Alireza**, Gourabi Hamid. Optimization of goat fetal fibroblast transfection using different concentrations of naked DNA. The 9th Transgenic Technology Meeting. 22-24 March 2010, Berlin, Germany. Abstracts published in Transgenic Res (2010) 19:307-355.

75- B. Ghanbari, S. S. A Fatemi, **A. Zomorodipour**, H. Rahmani. Development of Host-Vector Systems towards Optimization of Periplasmic Human Growth Hormone Expression in Recombinant *Escherichia coli. T*he 14th International Biotechnology Symposium and Exhibition, 14-18 September 2010, Palacongressi, Rimini – Italy.

[74- J Vatandoost, **A. Zomorodipour**. Introduction of candidate substrates for Drosophila Gama-carboxylase. 3rd Iranian Conference on Bioinformatics. NIGEB-Tehran-Iran (2010)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[73- M. Daliri, E. Hashemi, M, Eskanadarinasab, G. Chraghi and **A. Zomorodipour**. Growth factor gene expression in ship oviduct epithelial cells regulated by E2, P4, LH and FSF hormones. International symposium on Endocrinology and reproduction: Molecular mechanisms to molecular medicine (February 4-6, 2010). New Delhi-110067, India.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[72***-*** G. Kardar, **A. Zomorodipour**, M. Moin†, Z. Pourpak. A new approach for screening of homologous recombination hot spots in human genome with the aim of safe gene therapy. Europian Human Genetics Conference May 23-26. 2009. Vienna-Austria. European Journal of Human Genetics Vol. 17 Supplement 2 May](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[71- M. Sam, A. Haddad Mashadrizeh, M, Shokrgozar, F, Ataei, A. Amanzadeh, **A. Zomorodipour**. The rat aldolase B intronic enhacer augments the production of human coagulation factor IX minigenes in cultured hepatocyte cell line. European Human Genetics Conference May 23-26. 2009. Vienna-Austria. European Journal of Human Genetics Vol. 17 Supplement 2 May 2009](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

70- Sam MR , Haddad Mashadrizeh AA , **Zomorodipour A**. Designing new vectors for the expression of human factor IX in hepatoma cell line.. XX international Congress of Genetics, Jully 12-17. 2008-Berlin, Germany

69- Fariba Ataie, Mina rasouli, **Alireza Zomorodipour**. A molecular Approach for efficient expression of human factor VIII in mammalian cells. The 9th Iranian congress of biochemistry, & The 2th international congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007.Archives of Iranian Medicine, p-527, p: 175

[68- Haddad Mashadrizeh A.A., Reza nezhad H., **Zomorodipour A.**, Sanati M.H. Identification of elements that may have function in *blc2* gene regulation. The 5th National Biotechnology Conference, 24-26 Nov., 2007, Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[67- Mehrnaz Izadpanah and **Alireza Zomorodipour**.  Use of human beta-globin gene intron-2 to enhance the expression of human factor IX in cultured mammalian cells. The 9th Iranian congress of biochemistry, & The 2th International congress of Biochemistry & Molecular Biology, Shiraz-Iran, Oct.29-Nov,1,2007. Archives of Iranian Medicine, p-527, p: 175.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[66- Nasim Abbasi, **Alireza Zomorodipour**, Mahvash Khodabandeh, Saeed Mirdamadi. Study of periplasmic expression of human growth hormone using synthetic signal peptides designed based on TAT and SEC secretion pathway. The 5th National Biotechnology Conference 2007, Tehran-Iran](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[65- Shavandi M., Sadeghzade M., **Zomorodipour A.** and Khajeh K. Biodesulfurization of dibenzothiophene by recombinant Gordonia Alkanivorancs RIPI90A. The 5th National Biotechnology Conference 2007, Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[64- Shavandi M., Sadeghzade M., **Zomorodipour A** and Khajeh K. Isolation of promoter region of dsz operon in Gordonia Alkanivorancs RIPI90A by PCR-Walking.  The 5th National Biotechnology Conference, 2007,](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[63- Mehrnaz Izadpanah and **Alireza Zomorodipour**. Detection of transcription binding factors in betaglobin intron 2 and its application in the construction of a human Factor IX minigene. The 5th National Biotechnology Conference, 24-26, 2007, Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[62- Sedighe Safari, **Alireza Zomorodipour**, Nour Amirmozafari. Cloning and Over-expression of human coagulation factor IX sub-fragment (Gla-domain) in *Escherichia coli*. 1st congress on applied microbiology University of Alzahra Tehran-Iran 2007](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[61- Sedighe Safari, **Alireza Zomorodipour**, Nour Amirmozafari. cloning and expression factor IX sub-fragment (Gla domain) in *E. coli* for development of polyclonal anti human factor IX. II International conference on environmental , industrial and applied microbiology (BiomicroWorld2007), 28 November- 1 December 2007, Seville, Spain.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[60- Sedighe Safari, **Alireza Zomorodipour**, Nour Amirmozafarikarkhanei ali asghar. Use of bacterially derived human factor IX (Gla domain) for development of polyclonal anti-human factor IX. **The 9th Iranian Congress of Biochemistry & the 2nd International Congress of Biochemistry and Molecular Biology. Shiraz-Iran, Oct. 29 – Nov. 1, 2007**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[59- Fariba Ataie, Mina Rasouli, **Alireza Zomorodipour**. **Use of a truncated intron 1 of human factor IX to enhance the expression level of human factor VIII**. XV annual congress of the European Society of Gene and Cell Therapy (ESGCT), Rotterdam-Netherland. 27-30, oct, 2007, Human Gene Therapy, p-54, V:18, N: 10, p:1015.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[58- Haddad Mashadrizeh A.A, Sam M.R, Izadpanah M, Hosseini S. J, Sabouni.,  **Zomorodipour** **A.R**. Designing new vectors for a systematic study of the functions of beta-globin introns on the expression of human factor IX. XV annual congress of the European Society of Gene and Cell Therapy (ESGCT), Rotterdam-Netherland27-30, oct, 2007, Human Gene Therapy, p-54, V:18, N: 10, p:1014.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[57- Aliakbar Haddad mashhadrizeh, **Alireza Zomorodipour**, Farzaneh Sabouni. Desk-top analysis of Non-Coding Regions of the Human Factor VIII gene to Identify Candidate Regulatory Elements. The 9th Iranian congress of biochemistry, & The 2nd International congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007.**Archives of Iranian Medicine,p-422, p: 142.**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[56- Aliakbar Haddad Mashadrizeh, **Alireza Zomorodipour**, Farzaneh Sabouni, Seyed Javad Hosseini. Application of human b-globin intron-1 to enhance the expression of human coagulation factor IX in mammalian cells. The 9th Iranian congress of biochemistry, & The 2th International Congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007.**Archives of Iranian Medicine, p-527, p: 175**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[55 -Aliakbar Haddad-Mashadrizeh, **Alireza Zomorodipour**, Jafar Hemmat Study of   the Distribution and Characterization of   Non-LTR Retrotransposons in the Human Coagulation VIII Factor Gene. The 9th Iranian congress of biochemistry, & The 2th International congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007. **Archives of Iranian Medicine, p-431, p: 144**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[54- Jafar Hemmat, **Alireza Zomorodipour**, Aliakbar Haddad Mashadrizeh, Relationship among CpG Islands, Repeat Elements and Possible Promoter-like Sequences in the Human Coagulation VIII Factor Gene, The 9th Iranian congress of biochemistry, & The 2th International congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007.**Archives of Iranian Medicine, p-432, p: 145**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf).

[53- Jafar Hemmat, Aliakbar Haddad Mashadrizeh, **Alireza Zomorodipour**. Study of distribution and characterization of non-LTR restrotransposons in the human coagulation factor VIII gene. The 9th Iranian congress of biochemistry, & The 2th International congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007. **Archives of Iranian Medicine, p-143, p: 144**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[52- Mohammad Reza Sam, Aliakbar Haddad Mashhadrizeh, **Alireza Zomorodipour**. *In Silico* Investigation of the Intronic Regions of Human Von willebrand gene. The 9th Iranian congress of biochemistry, & The 2th International congress of Biochemistry & Molecular Biology, Shiraz-Iran,Oct.29-Nov,1,2007. **Archives of Iranian Medicine, p-434, p: 145**](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf).

[51- Haddad Mashadrizeh A.A, **Zomorodipour** **A.** Sabouni F, Hosseini S.J, Ataei F.Transient Expression of Human Factor IX (hFIX) in Mammalian Cells, a Base to Study the Expression hFIX Minigenes, The 1st International Congress on Health Genomics and Biotechnology, Nov. 24-26, 2007,Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf) (Selected as the Best Abstract)

[50- Aliakbar Haddad Mashadrizeh, **Alireza Zomorodipour**, Jafar Hemmat. Intronic Promoters in Human Coagulation Factor VIII, The 1st International Congress on Health Genomics and Biotechnology,Nov. 24-26, 2007,Tehran-IranTehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[49- Haddad Mashadrizeh A.A, Hosseini S. J, Sabouni. F, **Zomorodipour** **A.** Studying the function of intron-1 of human beta globin on the expression of biologically active human factor IX in a mammalian cell line. The 5th National Biotechnology Conference, 24-26, 2007, Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[48- Haddad Mashadrizeh A.A, Sam M.R., Sabouni. F, Hosseini S. J, **Zomorodipour** **A.** Designing and construction a set of minigenes of human factor IX (hFIX) for a systematic analysis of the function of introns on the expression of hFIX, The 5th National Biotechnology Conference, 24-26, 2007,Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[47-Haddad Mashadrizeh A.A, Rezanezhad. H ,**Zomorodipour A.**, Sanati. M.H. Identification of the intronic elements that may have function in bcl2 gene regulation, The 5th National Biotechnology Conference, 24-26, 2007,Tehran-Iran.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[46- Mahin Salman-nejad, **Alireza Zomorodipour**, Mahvash Khodabandeh. Expression of two sub-fragments of the A2 domain of human factor VIII (hFVIII) heavy chain in *Escherichia coli. 14th national and 2nd International  conference of Biology Tehram-Iran 29-31 Aug. 2006*](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

45- [Mahin Salman-nejad, Alireza Zomorodipour.Cloning of A2-domain of human coagulation factor VIII heavy–chain in Escherichia coli. 9th iranian Genetics Congress. May 20-22, 2006](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

1. Mahin Salman-nejad, Alireza Zomorodipour, Mahvash Khodabandeh, Comparison of Expression of two sub-fragments containgn the major epitopic region of the A2 domain of human factor VIII heavy chain in Escherichia coli, The 1st National Irania Conference of Applied Microbiology, Alzahra University- July 2007.
2. Ghanbari, Asl, B., Fatemi, S. A., Zomorodipour, A. , Rahmani, H. Experimental design based on screening of important factors in periplasmic expression of human growth hormone using recombinant E. coli*.* The 1st National Irania Conference of Applied Microbiology, Alzahra University- July 2007.

42- Jeirnai Khamene, M. Zomorodipour, A. Desinging of a signal peptide for efficient expression of a heterologous protein in the periplamsic space of E. coli. The 1st National Irania Conference of Applied Microbiology, Alzahra University- July 2007.

[41- Nadali. F., Pourfatholah.A.. A, Ali- Moghddam K., Dizagi. A., **Zomorodipour**.A., Azizi.E., Rostami.SH., Ghavamzadeh.A Multidrug Resistance Inhibition in Acute Myeloblastic leukemia by Antisense Oligonucleotide. EHRLICH II –2nd World Conference on Magic Bullets, Celebrating the 100th Anniversary of the Nobel Prize Award to Paul Ehrlich Nürnberg, October 3-5, 2008](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[40- Fatemeh Nadali, Ali-Akbar Pourfathollah, Kamran Ali-Moghaddam, Abdolkhalegh Dizaji, **Alireza Zomorodipour**, Ebrahim Azizi, Shahrbano Rostami, Ardeshir Ghavamzadeh. Drug resistance inhibition in leukemic cells by nanoparticles. Turkish Journal of Haematology (Supplement). Volume 22, Number 3. 2005.](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[39-  Seyed Javad Hosseini, Alireza Zomorodipour,  Razieh Jalal, Farzaneh Sabooni. Secretion of functional factor IX by primary Human keratinocyte, regulated by keratin-14 promoter. 13th International congress of European society of Gene therapy. Prague-Czech Republic. Oct.29th-Nov 1st  (2005) (Abstract & Poster)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[38- Amiri Yekta A. Amirizadeh N., Zomorodipour A. and Ataie F. The comparison of expression of light and heavy chains of human coagulation factor VIII in *Escherichia coli*. *3rd International conference on Analysis of Microbial cells at single cell level.* Semering-Austria May 26 - 29 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[37-  Hosseini SJ., **Zomorodipour** A. Jalal R., Sabooni F. and Shojai S. Expression of biologically active human factor IX in primary human keratinocyte under the regulation of Keratin14 gene promoter. 8th International Congress of Biochemistry. Tehran-Iran 11th-15th September (2005). *Clinical biochemistry*/Abstracts 38 – 831-869 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[36- Ghasemi, F.,  **Zomorodipour** A.,  Shojai S.,  Ataie F.,  Khodabandeh M.,  Sanati M. H. Periplasmic Expression of Human Growth Hormone in *Escherichia coli*, Using L-Arabinose induction. 8th International Congress of Biochemistry. Tehran-Iran 11th-15th September (2005). *Clinical biochemistry*/Abstracts 38 – 831-869 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[35- Ghafari M., **Zomorodipour** A., Shojai S.  Over-expression of SecB Protein in *Escherichia coli* to improve the Periplasmic Expression of Human Growth Hormone 8th International Congress of Biochemistry. Tehran-Iran 11th-15th September (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

34[- Soheil Keihan Falsafi,  **Zomorodipour** A., Ataei F.**A Combined Approach to Enhance Periplasmic Expression of Human Growth Hormone in *Escherichia coli*, using a Modified Signal Peptide from Alpha Amylase Gene of *Bacillus licheniformis*** 8th International Congress of Biochemistry. Tehran-Iran 11th-15th September (2005). *Clinical Biochemistry*/Abstracts 38 – 831-869 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[33- Ataei, F., **Zomorodipour**, **A.**, Ghanbarian H., Yakhchali, B.A Study of Heat-Induced Expression of Human Granulocyte Macrophage Colony Stimulating Factor in *Escherichia coli*. 8th International Congress of Biochemistry Tehran-Iran 11th-15th September (2005). *Clinical Biochemistry*/Abstracts 38 – 831-869 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\unusual%20organization%20JBac%20.pdf)

[32- Shojai, S., **Zomorodipour**, **A.,** Ataei. F., Karkhaneh, A.A., Deezagi, A., Yakhchali, B., Shahali, M. and Dorchehzadeh, S. Lactose Induction to Obtain Efficient Periplasmic Expression of Human Granulocyte Macrophage Colony Stimulating Factor in *Escherichia coli.*  8th International Congress of Biochemistry. Tehran-Iran 11th-15th September (2005). *Clinical Biochemistry*/Abstracts 38 – 831-869 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[31- Amirizahdeh, N., **Zomorodipour** A., Deezagi A. Khodabandeh، M., Lenjannejadian H.، Ataie F.  Maddah T. Expression of Biologically Active B-Domain-Deleted Recombinant Human Factor VIII in Mammalian Cells. 8th International Congress of Biochemistry. Tehran-Iran 11th-15th September (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[30-Khodabandeh, M., Salek, M., **Zomorodipour**, **A.**, Deezagi, A., Maddah T. Purification of biologically active B-domain deleted recombinant human factor VIII in mammalian cells. 8th Iranian congress of Biochemistry 11th-15th September Tehran-Iran (2005). *Clinical Biochemistry*/Abstracts 38 – 831-869 (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[29- Amiri Yekta, A., Amirizadeh, N., **Zomorodipour**, **A.**, Ataei F.  Expression of epitopic domain of human coagulation factor VIII in *Escherichia coli*. 8th Iranian congress of Biochemistry 11th-15th September Tehran-Iran (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[28- Soheil Keihan Falsafi and **Alireza Zomorodipour**. A Combined Approach to Enhance Periplasmic Expression of Human Growth Hormone in Escherichia coli, using a Modified Signal Peptide from Alpha Amylase Gene of Bacillus licheniformis. ELSO Meeting (2004)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[27- Maryam Ghafari, **Alireza Zomorodipour**. Over Expression of SecB Protein in Escherichia coli Enhances the Periplasmic Expression of Hunman Growth Hormone. ELSO Meeting (2004).](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[26-Memari,, B., Ghorashi, S.A., Shamsara, M., Aliabadizadeh, K., Daliri, M., **Zomorodipour**, A.R., Ebrahimipour, G.R., Salehi Tabar, R. (2005) Cloning and sequencing of bovine growth hormone gene of an Iranian cattle. The 4th National Biotechnology Congress of Iran. Kerman, Iran](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm).

25[- Sarareh Shojai, **Alireza Zomorodipour**, Fariba. Ataei. Lactose Induction to Obtain Efficient Periplasmic Expression of Human Granulocyte Macrophage Colony Stimulating Factor in Escherichia coli. 1st International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld). Badajoz, Spain. March 15th -18th  (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

24- Maryam Ghafari, **Alireza Zomorodipour**, Sharareh Shojai.Over Expression of SecB Protein in Escherichia coli Enhances the Periplasmic Expression of Hunman Growth Hormone. 1st International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld). Badajoz, Spain. March 15th -18th (2005)

[23-  Soheil Keyhan Falsafi, **Alireza Zomorodipour**, Fariba Ataei. A Combined Approach to Enhance Periplasmic Expression of Human Growth Hormone in Escherichia coli, using a Modified Signal Peptide from Alpha Amylase Gene of Bacillus licheniformis. 1st International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld). Badajoz, Spain. March 15th -18th  (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[22-  Farzaneh Moshiri, **Alireza Zomorodipour** and Mohammad Hossein Sanati. A Signal Peptide Originated from Alpha Amylase Gene of Bacillus licheniformis Directs Human Growth Hormone to the Periplasmic Space of Escherichia coli. 1st International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld). Badajoz, Spain. March 15th -18th  (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[21- Fariba Ataei, **Alireza Zomorodipour**, Hossein Ghanbarian, Bagher Yakhchali. A Study of Heat-Induced Expression of Human Granulocyte Macrophage Colony Stimulating Factor in Escherichia coli. 1st International Conference on Environmental, Industrial and Applied Microbiology (BioMicroWorld). Badajoz, Spain. March 15th -18th  (2005)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[20- Maryam Ghaffari, **Alireza Zomorodipour**, Mohammad Kargar. Use of regulated co-expression of chaperonine to enhance processing efficiency of human growth hormone precursor in *Escherichia coli. The Fifth Ghulbhorn International Science Congress in Evolving Genetic* and Global Impact. Bangkok, Thailand Aug. 16th -20th (2004)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[19- Rastegarlari, G., Ravanbod, s., Baghaipoor M.R., Shams.S., **Zomorodipour**, A.R., Enayat, S. and Lavergne. J. M. Mutation analysis in the factor VIII gene of 159 Iranian with haemophilia A. XXVIst Meeting of the WFH, Oct 17-21 Bangkok, (2004)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[18- Amirizahdeh, N., **Zomorodipour**, **A.**, Deezagi, A., Pourfathollah, A.A., Khodabandeh, M.,  Rastegar Lari, G., Ataie, F., Lenjannejadian, H., Transient and Stable Expression of Biologically Active B-Domain-Deleted Recombinant Human Factor VIII in Mammalian Cells. 3rd Iranian congress of genetic disorders & Disabilities Nov. 27th-Dec. 1st 2004](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[17- Jafar Kiany, **Alireza** **Zomorodipur**,Mahvash Khodabandeh, Mohamad Hossein Sanati and Mehdi Froozandeh Moghadam. Periplasmic Production of Recombinant Human Growth Hormone in *Escherichia coli* Using T7 Promoter and ompA Signal Sequence. Jafar Kiany,. Short paper: The *3rd Iranian Biotechnology congress* (2003)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[16- Farzaneh Moshiri, **Alireza Zomorodipour**, Abed-Ali Ziaee, Maryam Shahosseini & Mohammad Hossein Sanati. A Modified Alpha Amylase Signal Peptide Originated From Bacillus licheniformis for the Secretory Expression of Heterologous Proteins In Escherichia coli. The *16th Physiology & Farmacology congress*. Tehran-Iran (2003)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[15- Hossein Ghanbarian , **Alireza Zomorodipour** & Bagher Yakhchali Construction of new vector for the periplasmic Expression of recombinant protein under heat induction in Escherichia coli. The. *3rd Iranian Biotechnology congress* Tehran-Iran (2003)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[14- Ghasemi Fahimeh, **Zomorodipour** **Alireza** & Sanati Mohammad Hossein. L-Arabinose as an Inducer in the Periplasmic Expression of Human Growth Hormone in *Escherichia coli*. The *3rd Iranian Biotechnology congress* Tehran-Iran (2003)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[13- Shojai Sharareh, **Zomorodipour** **Alireza**, Yakhchali Bagherand Borjaliloo Shirin. The effect of pelB Signal Peptide on the Stability of human Granolocyte Macrophage Colony Stimulating Factor (hGM-CSF) in the Cytoplasm of *Escherichia coli.* The *3rd Iranian Biotechnology congress* Tehran-Iran (2003)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[12- **Zomorodipour** **Alireza**, Deezagi Abdolkhalegh & Sanati Mohammad-Hossein Studying the Production of Human Growth Hormonr T7/lac Regulatory System in *Escherichia coli. 18thInternational Congress of Clinical Chemistry and laboratory Medicine.* Kyoto Japan (2002)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[11- Rastgar Jazii F., Karkhane A., Daeyeh M., Yakhchali B., **Zomorodipour** A. Purification of Recombinant Human G-CSF from *E. coli* By Osmotic shock. 18th   *International congress of clinical chemistry and laboratory medicine*.Kyoto Japan (2002)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[10- **Zomorodipour** **Alireza**, Borjaliloo Shirin, Dina Morshedi, Yakhchli Bagher and Sanati Mohammad-Hossein. Use of Natural inducer (lactose) for induction of recombinant protein expression in *Escherichia coli* under lac/T7 system. *Proceeding of 10th Iranian Biological congress*. Shiraz-Iran, Sep. (2001)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[9- **Zomorodipour** **Alireza**, Borjaliloo Shirin. Cloning and Periplasmic Expression of Human GM-CSF under Control of LAC Promoter in *E. coli. Iranian Biomedical Journal.* Vol.4. No.4. Page 145. Oct. (2000)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[8- **Zomorodipour** **Alireza**, Ahmadzadeh Raji Mojgan. Hosseini Mazinani Seyyed Mahdi, Valian Broojeni Sadegh and Sanati Mohammad Hossein. Over-Expression of Recombinant human growth hormone under T5/lac Regulation System in *Escherichia coli. Proceeding of the Second Natinal Biotechnology Congress Islamic republic of Iran* Oct. 9-11.  Vol.2. page. 1403-1410 (2001)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[7- **Zomorodipour** **Alireza**, Borjaliloo Shirin and Yakhchli Bagher. Comparison of Bacterial and Bacteriophage promoters for periplasmic Expression of Human Granulocyte Macrophage Colony Stimulating Factor in *Escherichia coli*. *Proceeding of the Second Natinal of Biotechnology Congress Islamic republic of Iran* Oct. 9-11 Vol.2. page. 1411-1417. (2001)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[6- Fatemi, Seyed Safa-Ali, Yakhchli Bagher, Towfighi Darian Jafar, Shojaosadati Seyed Abbas and **Zomorodipour** **Alireza**. Selection of proper recombinant *E.coli* strain expressing periplasmic   hGM-CSF and its growth curve evaluation. *Proceeding of the Second Natinal of Biotechnology Congress Islamic republic of Iran* Oct. 9-11 Vol.2     page. 1500-1509. (2001)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[5- **Zomorodipour** **A.**, Ahmadzadeh M. Alikhani K. R. and Hosseini Mazinani S.M.  Cloning and expression of human growth hormone under a heat-inducible promoter*. Proceeding of 9th Iranian Biological congress.*, Aug. 15-17 pages 81 & 230. (2000)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[4- Sabouni F., **Zomorodipour** **A.**, Pourmahdi Z., and  Ahmadzadeh M. a Modified Rapid Transformation Using Colonies on Agar.  *Proceeding of the First Natinal Congeress of Biotechnology.* Feb 22-24 Vol. 3 page. 1607-8 Tehran-Iran (2000)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[3- Hosseini Mazinani S.M., Dizaji A., Khodabandeh M., Rashidian J., Yakhchli  B., Pourmahdi Z., Morshdi D., Moghadasi Z., Rahbar R., Agha-ee E. **Zomorodipour** A., et al., Recombinant human growth hormone. *Proceeding of the First Natinal Congeress of Biotechnology.* Feb 22-24 Vol. 2 page. 620. Tehran-Iran (2000)](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[2- حسين قنبريان ، **عليرضا زمردي پور** و باقر يخچالي. طراحي و ساخت وکتور جديد براي توليد پريپلاسمي پروتئين هاي نوترکيلب تحت القاء حرارتي. استراتژي ملي زيست فناوري. مجوعه مقالات سومين همايش ملي بيوتکنولوژي جمهوري اسلامي ايران 1382. جلد سوم ص.424](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

[1- صنعتي محمد حسين، قره ياضي بهزاد، ديناروند رسول، دينپرست جديد نويد، اخوي زادگان رسول، نورائي منوچهر، شجاع السادات عباس، مقصودي نادر، زماني محمد رضا، ملبوبي محمد علي، قرشي سيد علي، رسائي محمد جواد، هوشمند مسعود، **زمردي پور عليرضا**. استراتژي ملي زيست فناوري. سومين همايش ملي بيوتکنولوژي جمهوري اسلامي ايران 1382](file:///C:\Documents%20and%20Settings\zomorodi\zomorodi\Desktop\Zomorodipour_files\poster%20ESGT.htm)

**Books**

1. A collection of Terms (in Farsi), Vol. 13, 2016, approved and published by: the Academy of Persian Language and Literature
2. A collection of Biology terms (Hezar Vajeh in Farsi). No1. Extracted from Directory of approved terms' by Academy of Persian Language and Literature. 1977-2011
3. A collection of Terms (in Farsi), Vol. 8, 2011, approved and published by: the Academy of Persian Language and Literature
4. A collection of Terms (in Farsi), Vol. 7, 2010, approved and published by: the Academy of Persian Language and Literature.
5. Persian Encyclopedia of Biotechnology and Genetics (in Farsi), Editorial board, published by foundation of Farsi Encyclopedia (2008).
6. Principle of Genome Analysis. Alavi, M. Soltani, M. Maboubi, M., **Zomorodipour A.** (2003) of Principle of Genome Analysis. (translation in Farsi) NRCGEB Press, Tehran, Iran.

**Thesis supervisions**

***Current PhD-students***

1. **Parinaz Nasri. Thesis title;** Studying the expression pattern of Calumenin and miRNA related in colorectal cancer patients and usage of that candidate miRNA for suppression of Calumennin in SW480 cell line
2. **Babak Jahangiri. Thesis title;** Intratumor immunotherapy in breast cancer mouse model through targeted delivery of mouse IL-12 by Bone Marrow Mesenchymal Stem Cells
3. **Simin Rashidi; Thesis title;** Evaluation of the effect of synthetic anti-calumenin microRNAs, in comparison with a natural microRNA (miR30a), in colorectal cancer.

***Former PhD-students*** *(Supervisory & Advisory)*

1. **Fahimeh Ghasemi.** (PhD student from Tehran Medical University) Thesis title:Application of site-directed mutagenesis for hyper-glycosilation of rhFIX anf its effect on the protein secretion in cultured mammalian cells (2016)
2. **Shoherh Khorshidi.** (PhD student from NIGEB- Tarbiat Modarress University;TMU ) Thesis title**:** Application of the pig protrombin signal pre/pro peptide on the secretion of rhFIX in cultured mammalian cells **(2015)**
3. **Solmaz Moniri . (**PhD student from NIGEB) Thesis title**:** Effect of co expression of Drosophila gamma Carboxylase on the expression of rhFIX in cultured mammalian cells and the function natural microRNA **(2015)**
4. **Haddad-Mashadrizeh Aliakbar. (**PhD student from Ferdowsi University of Mashhad) Thesis title: Investigating the maintenance and differential behavior of human mesenchymal stem cells in different rat xnotransplants (2013)
5. **Jafar Vatandoost.** (PhD student from NIGEB- Tarbiat Modarress University;TMU ) Thesis title: Studying the Expression of the Carboxylated Human Factor IX in The S2 Cell Line of Drosophila. (2013)
6. **Gholamali Kardar. (**PhD student from NIGEB) Thesis title: Mutagenesis of the human coagulation factor VIII for secretion improvement (2010)
7. **Mohammad Reza Sam. (**PhD student from NIGEB) Thesis title: Studying production and level of FIX cDNA expression using a chimeric liver-specific promoter in a human hepatoma cell line (HepG2). (2010).
8. **Seyed Javad Hosseini.** (PhD student from NIGEB-Razi University of Kermanshah) Thesis title: The expression of human factor IX cDNA in human keratinocyte under the regulation of human Keratin 14 gene promoter (2007**)**
9. **Naser Amirizadeh.** (PhD student from TMU) Thesis title: Cloning and expression of human factor VIII in mammalian cells. Performed in NIGEB (2005)
10. **Fatemeh Nadali.** (PhD student from TMU) Thesis title: Drug resistance inhibition of Human Acute Myeloblastic Leukemia Cells by Multidrug Resistance Gene (mdr1) Antisence Oligonucleotides. (2005)
11. **Mahmoud Shavandi.** (PhD student from NIGEB-TMU) Thesis title: Improvement of of the catalytic properties of biodesulfurizating bacterium, Gurdonia *sp. Strain RIPI-B4,* by genetic methods, with the emphasis on sulfate repression alleviation (2009)

***Former MSc-students*** *(Supervisory & Advisory)*

1. **Reza Salmanipour.** Thesis title: Knocking out of *calumenin* gene in colorectal cancer cell line using CRISPR/Cas9 system (2019)
2. **Amiri Zahra.** Thesis title: A study of the effect of calumenin artifitial micro-RNA on Breast cancer cells (2018)
3. **Alireza karimi**. Thesis title: Transient Expression of hFIX in HEK293 cell line using Adeno Associated Vector (2016)
4. **Fatemeh Bahrami**. Thesis title: Studying the pattern of Calumenin gene expression in Iranian Breast cancer patients (2016)
5. **Zahra Khademi**. Thesis title: Validation of the synthetic miRNA against clumenin 5’UTR on the expression of rhFIX in cultured mammalian cells (2015).
6. **Seyed Kazem Hosseini**. Thesis title: Secretion expression of human growth factor Activin A in Escherichia coli (2014).
7. **Javad Parnian**, Thesis title:Studying the function of artificial intronic microRNA against Calumenin in the hFIX cDNA 5’UTR in mammalian cell line (2012)
8. **Maryam Hosseindokht**, Thesis title: Studying the function of artificial intronic microRNA against Calumenin in the hFIX cDNA 3’UTR in mammalian cell line (2012)
9. **Samira Bahrami**, Studying the expression hFIX, when it’s Signal /propetide is replaced with that of the human propetide (2011)
10. **Maedeh Moosavi**. Thesis title: Studying the function of a hFIX truncated intron I, in the gene 5’-UTR, on the expression of hFIX in cultured mammalian cells (2011)
11. **Ehsan Hashemi**. Thesis title: Effects of Gonadotropin and Estradiol 17-beta hormones on the expression of IGFI , IGFII and TGF genes on the cow oviduct cells. NIGEB. (2010)
12. Mehdi Shakibaie. MSc, NIGEB & Sahand UTech (2008-2009).
13. **Ghorbani Mehdi.** Thesis title: Studying the effect of Gaussia Princps luciferase signal peptide on the secretory expression of human coagulation factor IX in CHO cell line. NIGEB. (2010)
14. **Moin Jahromi Elham**. Thesis title: Studying the function of human beta globin intron-II as the last 3’-end intron on the expression of the human factor IX in CHO cell line, NIGEB. (2010)
15. **Izadpanah Mehrnaz**. Thesis title: Studying the effect of human beta globin intron-2 on the expression of human factor IX in mammalian cells, an M.Sc, NIGEB. (2009)
16. **Haddad-Mashadrizeh** Aliakbar. Thesis title: Studying the effects of human beta globin introns and    kozak lement on the expression of human factor IX in mammalian cells, NIGEB. (2010)
17. **Nasim Abbasi**. Thesis title: [Use of tat secretion system for the periplasmic expression of human growth hormone in E. coli NIGEB. (2007)](http://office.nigeb.ac.ir/Zomorodipour_files/poster%20ESGT.htm)
18. **Meisam Jeiranikhameneh**. Thesis title: Designing and construction of an optimised signal peptide for efficient periplasmic expression of human growth hormone in E. coli NIGEB. (2007)
19. **Sedigheh Safari**. Thesis title: Studying the expression of human factor IX (hFIX) sub fragment(s) in Escherichia coli, for development of specific anti-hFIX antibody, NIGEB, (2007)
20. **Mahin Salman-nejad**. Thesis title: Expression and purification of a bacterially derived heavy chain of human coagulation factor VIII light-chain, NIGEB. (2007)
21. **Amir Amiri** Yekta.Thesis title: Expression and purification of a bacterially derived light-chain of human coagulation factor VIII light-chain, NIGEB. (2005)
22. **Maryam Ghaffari**. Thesis title: Studying the Function of secB Over Expression on the Processing and Translocation of Recombinant Proteins into Periplasmic Space of Escherichia coli. MSc. Thesis, performed in the NIGEB (Winter 2005)
23. **Soheil Keyhan Falsafi**. Thesis title: Use of E. coli Argenine Major Codons of E. coli in the signal Peptide Derived from Bacillus licheniformis Alpha Amylase and Studying its Effect on the Expression Level of Recombinant Proteins in Escherichia coli, performed in NIGEB Tehran-Iran (Winter 2005)
24. **Reza Kheirkhahi** **Oqani**. Thesis title: Human Growth Hormone cDNA Transfer into Mouse Zygotes by Microinjection and PCR Analysis at Cleavage Stage. performed in Iran azad Islamic Univ. (2003)
25. **Sholeh Shams** Akhzar. (MSc student from khatam University) Thesis title: Mutation analysis in the hFVIII gene of 159 Iranian families with haemophilia A. (2004)
26. **Maryam Shahali**. (MSc student from Shahid Besheshti University) Thesis title: Cloning and seretory expression of Recombinant Human granulocyte macrophage stimulating factor in Escherichia coli. (2003)
27. **Fahimeh** **Ghasemi**. Thesis title: Periplasmic Expression of Recombinant Human Growth Hormone under the Control of araBAD Promoter in Escherichia coli. MSc. Thesis, performed in the National Institute for Genetic Engineering and Biotechnology Tehran-Iran (September 2003)
28. **Farzaneh** **Moshiri**. Thesis title: Studying the Function of a Signal Peptide Derived from Bacillus licheniformis Alpha Amylase on the Secretion of Recombinant Human Growth Hormone by Escherichia col. MSc. Thesis, performed in the National Institute for Genetic Engineering and Biotechnology Tehran-Iran (Spring 2003)
29. **Jafar Kiany**. Thesis title: Periplasmic Expression of Recombinant Human Growth Hormone Under the Control of Bacteriophage Promoters in Escherichia coli. MSc. Thesis, performed in the National Institute for Genetic Engineering and Biotechnology Tehran-Iran (Aplir 2003)
30. **Hossein Ghanbarian**. Thesis title: Analysis of periplasmic expression of human recombinant GM-CSF under heat induction in E. coli. MSc. Thesis, performed in the National Institute for Genetic Engineering and Biotechnology Tehran-Iran. (Nov. 2002)
31. **Shirin Borjaliloo**. Use of Bacterial and Bacteriophage Promoters for Periplasmic Expression of  Human GM-CSF in Escherichia coli. MSc. Thesis, Performed in the National Institute for  Genetic Engineering and Biotechnology Tehran-Iran (2001)

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