



## **Kheirollah Yari**

### **Personal Information**

**Name:** Kheirollah

**Surname:** Yari

**Date of Birth:** February 27, 1983

**Nationality:** Iranian

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### **Education**

**B. Sc:** General biology, College of Science, Razi University, Kermanshah, Iran, 2000- 2004.

**M. Sc:** Cell and Molecular Biology, Imam Housin University & National Institute of Genetic Engineering and Biotechnology (NIGEB), Tehran, Iran, 2005-2008

**PhD:** Cell and Molecular Biology-Biomedicine, Kermanshah University of medical sciences, Kermanshah, Iran, 2012-2016.

### **Teaching Activities**

- 1- Molecular biology for M.Sc. students in Kermanshah University of medical sciences, 2009 until now.
- 2- Cell and molecular biology for B.Sc. students in Razi University, faculty of agriculture, 2009-2010.
- 3- General microbiology, cell and molecular laboratory, environmental microbiology and virology for B.Sc. students in Payam noor university of kermanshah, 2010 until now.
- 4- Molecular biology and practical laboratory techniques for PhD students in Razi University, faculty of agriculture, entomology department, 2010 until now.

مهمترین سوابق و فعالیت های تحقیقاتی:

- عضو هیئت علمی دانشگاه علوم پزشکی کرمانشاه
- معاون مرکز تحقیقات بیولوژی پزشکی کرمانشاه از سال ۱۳۹۰-۱۳۹۲
- پژوهشگر برتر دانشگاه علوم پزشکی کرمانشاه در بخش هیئت علمی در سال ۱۳۹۰
- پژوهشگر برتر دانشگاه علوم پزشکی کرمانشاه در بخش هیئت علمی در سال ۱۳۹۱
- پژوهشگر برتر (نفر اول دانشجویی) دانشگاه علوم پزشکی کرمانشاه در سال ۱۳۹۲
- پژوهشگر برتر (نفر اول دانشجویی) دانشگاه علوم پزشکی کرمانشاه در سال ۱۳۹۳
- پژوهشگر برتر (نفر اول دانشجویی) دانشگاه علوم پزشکی کرمانشاه در سال ۱۳۹۴
- پژوهشگر برتر (نفر اول دانشجویی) دانشگاه علوم پزشکی کرمانشاه در سال ۱۳۹۵
- تالیف دو جلد کتاب به زبان فارسی
- چاپ ۴۷ مقاله بین المللی ISI و علمی پژوهشی،  $h\ index=6$
- رتبه اول دوره Mphil دانشگاه علوم پزشکی کرمانشاه
- مدیرعامل شرکت زیست فناوری " ایده سازان زیستی زاگرس "مستقر در مرکز رشد دانشگاه رازی از سال ۱۳۹۳
- مدرس دانشگاه علوم پزشکی، -رازی و پیام نور کرمانشاه در مقاطع کارشناسی ارشد و دکتری (تدریس دروس سلولی مولکولی -آزمایشگاه سلولی مولکولی -میکروب شناسی عمومی و محیطی-ویروس شناسی)
- استاد مشاور پایان نامه های دانشجویی کارشناسی ارشد و دکتری حرفه ایی
- مجری ۷ طرح تحقیقاتی مصوب دانشگاه علوم پزشکی کرمانشاه و همکار دهها طرح دیگر
- داور نمایشگاه اختراعات بنیاد ملی نخبگان و مجلات علمی معتبر بین المللی و داخلی
- ارائه بیش از ۲۰ مقاله به صورت سخنرانی و پوستر در کنگره های علمی
- مجری، مدرس و دبیر علمی کارگاه های علمی و پژوهشی ژنتیک مولکولی-مهندسی ژنتیک-بیوانفورماتیک

## Full papers

### English:

- 1- **Yari K**, Payandeh M, Rahimi Z. Association of the hypermethylation status of PTEN tumor suppressor gene with the risk of breast cancer among Kurdish population from Western Iran. *Tumour Biol. Tumor Biol.* (2016) 37:8145–8152
- 2- N. Iranshahi, P. Zafari, **KH. Yari\***, E. Alizadeh. The most common genes involved in epigenetics modifications among Iranian patients with breast cancer: A systematic review. *Cell. Mol. Biol.* 2016, 62(12),116-122.
- 3- Mahsa Shahbazi, **Kheirollah Yar\*** Niloufar Rezania. The first review study on association of DNA methylation with gastric cancer in Iranian population. *Asian Pac J Cancer Prev*, 17 (5), 2499-2506.
- 4- Fatemeh Esmaeili, Danial Kahrizi, Mohsen Mansouri, **Kheirollah Yari\***, Nastaran Kazemi, Matin Ghaheri, Cell Dedifferentiation in *Stevia Rebauiana* as a Pharmaceutical and Medicinal Plant. *JRPS*. 2016, 5(1), 12-17.
- 5- M. Ghaheri, D. Kahrizi, **K. Yari**, A. Babaie, R. S. Suthar, E. Kazemi A comparative evaluation of four DNA extraction protocols from whole blood sample. *Cell. Mol. Biol.* 2016, 62(3),119-123
- 6- Z. Rahimi, **K. Yari**, Z. Rahimi, Evaluation of MMP-7 A-181G and MMP-2 C-735T polymorphisms in healthy population, *Cell. Mol. Biol.* 2016, 62(2), 21-24.
- 7- E. Kazemi, D. Kahrizi, M. T. Moradi, M. Sohrabi, S. Amini, S. A. R. Mousavi, **K.Yari**. Association between *Helicobacter pylori hopQI* genotypes and human gastric cancer risk. *Cell. Mol. Biol.* 2016, 62(1), 6-9.
- 8- Sadeghi M, Bayat M, Cheraghi S, **Yari K**, Heydari R, Dehdashtian S, Shamsipur M. Binding studies of the anti-retroviral drug, efavirenz to calf thymus DNA using spectroscopic and voltammetric techniques. *Luminescence. Luminescence*, 2016;31:108–11

- 9- **Yari, K.**, Rahimi, Z., Payandeh, M., Rahimi, Z. MMP-7 A-181G Polymorphism in Breast Cancer Patients from Western Iran. Source of the Document Breast Care, 10, (6)
- 10- Zohreh Rahimi, **Kheiroolah Yari**, Ziba Rahimi, Matrix Metalloproteinase-9 -1562T Allele and its Combination with MMP-2 -735 C Allele are Risk Factors for Breast Cancer, Asian Pac J Cancer Prev, 2015, 16 (3), 1175-1179.
- 11- Mohammad-Taher Moradi, **Kheiroollah Yari\***, Zohreh Rahimi, Elham Kazemi, Mehrdad Shahbazi, Manganese Superoxide Dismutase (MnSOD Val-9Ala) Gene Polymorphism and Susceptibility to Gastric Cancer, Asian Pac J Cancer Prev, 2015, 16 (2), 485-488.
- 12- Maryam Mehrabi, Kamran Mansouri, Saman Hosseinkhani, Reza Yarani, **Kheiroollah Yari**, Mitra Bakhtiari, Ali Mostafaie. Differentiation of human skin-derived precursor cells into functional islet-like insulin-producing cell clusters. In Vitro Cell Dev Biol Anim. 2015 Jan 29. [Epub ahead of print]
- 13- Ahmad Ismaili1, **Kheiroollah Yari**, Mohammad-Taher Moradi, Maryam Sohrabi, Danial Kahrizi, Elham Kazemi, Zahra Souri, IL-1B (C+3954T) Gene Polymorphism and Susceptibility to Gastric Cancer in the Iranian Population, Asian Pac J Cancer Prev, 2015, 16 (2), 841-844
- 14- Elham Taravat, Alireza Zebarjadi, Danial Kahrizi, and **Kheiroollah Yari**. Isolation, cloning, and characterization of a partial novel aro A gene in common reed (*Phragmites australis*), Pharm Biol , 2014, DOI: 10.3109/13880209.2014.935867.
- 15- Zohreh Rahimi, Majid Gholami, Ziba Rahimi, **Kheiroollah Yari**. Evaluation of beta-casein<sup>β</sup> locus for detection of A1 and A2 alleles frequency using allele specific PCR in native cattle of Kermanshah, Iran, Biharean Biologist, 2014, Accepted.

- 16- **Kheirollah Yari**, Ziba Rahimi, Mohamad Taher Moradi, Zohreh Rahimi. The MMP-2 -735 C Allele is a Risk Factor for Susceptibility to Breast Cancer, Asian Pac J Cancer Prev, 2014, 15 (15), 6199-6203
- 17- Ataollah Rahimi, Alinaghi Mirmoayedi, Danial Kahrizi, Rohollah Abdolshahi, Elham Kazemi, **Kheirollah Yari\***. Microsatellite genetic diversity of *Apis mellifera meda skorikov*, Mol Biol Rep, 2014, DOI 10.1007/s11033-014-3667-7.
- 18- **Kheirollah Yari** , Alinaghi Mirmoayedi , Marzieh Marami , Elham Kazemi , Danial Kahrizi. Genetic diversity analysis of chrysopidae family (insecta, neuroptera) via molecular markers. Mol Biol Rep, 2014, DOI 10.1007/s11033-014-3504-z .
- 19- Mohammad Taher Moradi, **Kheirollah Yari\***, Reza Khodarahmi , A Novel, Efficient, Fast and Inexpensive DNA Extraction Protocol from Whole Blood Applicable for Studying Drug-DNA Interaction, Journal of Reports in Pharmaceutical Sciences, 2014, 3(1), 79-83.
- 20- Alinaghi Mirmoayedi , Sahar Marami , **Kheirollah Yari**, Danial Kahrizi. Use of RAPD-PCR to reveal genetic proximity of Species of Chrysopidae Family (Insecta, Neuroptera), Intl J Farm & Alli Sci., 2014, 3 (4): 402-407.
- 21- **Kheirollah Yari**, Hassan Rasouli, Mohammad Taher Moradi, Maryam sadat Soltani, Functional assignment to *Mus musculus* endostatin mRNA via computational analysis. IOSR Journal Of Pharmacy, 2013, 3(11),27-30.
- 22- Golnaz Ayazi, Maral Pirayesh, **Kheirollah Yari\***, Analysis of interleukin-1 $\beta$  gene polymorphism and its association with generalized aggressive periodontitis disease, DNA and Cell Biology, 2013, 32(7),1-5.
- 23- M.T. Moradi, A. Rafiei Hashtchin & **K. Yari\***, Helicobacter pylori cagA-positive strains: gastric cancer susceptibility, Biharean Biologist, 2013, 7(2), 86-89.

- 24- **Kheirollah Yari**, Seyed Safa-ali Fatemi, Mahmood Tavallaei, High level expression of recombinant BoNT/A-Hc by High Cell Density Cultivation (HCDC) of *Escherichia coli*, *Bioprocess and Biosystem engineering journal*, 2012, 35:407–414.
- 25- **Kheirollah Yari**, Seyed Safa-ali Fatemi, Mahmood Tavallaei "Optimization of the BoNT/A-Hc expression in recombinant *Escherichia coli* using Taguchi statistical method" *Biotechnol. Appl. Biochem*, 2010, 24; 56(1):35-42.
- 26- Zohreh Rahimi, Vahid Felehgari, Mehrali Rahim, Hadi Mozafari, **Kheirollah Yari**, Asad Vaisi-Raygani, Mansour Rezaei, Shohreh Malek-Khosravi, Habibolah Khazai. The frequency of factor V Leiden mutation, ACE gene polymorphism, serum ACE activity and response to ACE inhibitor and angiotensin II receptor antagonist drugs in Iranians type II diabetic patients with microalbuminuria. *Mol Biol Rep* (2011)38:2117–2123.
- 27- **Kheirollah Yari\*** , Elham Kazemi , Reza Yarani , Ahmad Tajehmiri . Islamic Bioethics for Fetus Abortion in Iran. *American Journal of Scientific Research*, 18(2011), pp.118-121.
- 28- **Kheirollah Yari** , Ali Mostafaie . Determination of Suitable Conditions for Great Plasmid Transformation into *Escherichia Coli* using Taguchi Statistical Method. *American Journal of Scientific Research*, 17 (2011), pp.117-123.
- 29- Parviz Heidari , Mehran Falaknaz , Ali Ashraf Mehrabi , Danial Kahrizi , **Kheirollah Yari** . Phylogenetic Study of HKT-Gene in Gramineae via Insilico cDNA-AFLP Analysis. *American Journal of Scientific Research*, Issue 19(2011), pp. 6-12.
- 30- Ali Mostafaie, **Kheirollah Yari \***, Sara Kiani , A comparative evaluation of rehydration and cup-loading sample application for modified two-dimensional gel electrophoresis of human serum proteins using immobilized pH gradient, *African journal of biotechnology*, (Vol. 10(55), pp. 11711-11715, 21 September, 2011)

- 31- Mehran Falaknaz , Parviz Heidari , Ali Ashraf Mehrabi , Danial Kahrizi , **Kheirollah Yari** . Phylogeny of  $\delta$ -1-Pyrroline-5-Carboxylate Synthase (P5CS) Gene in Different Plant Species using cDNA AFLP Analysis. American Journal of Scientific Research, 19(2011), pp. 13-21
- 32- Kh Azizi , H Lashani , Gh Mohammadi , D. Kahrizi , **Kh. Yari** . “Effect of Nutrition Different Systems on Yield and Yield Component of Corn (*Zea mays* L. cv. SC704)” American Journal of Scientific Research, 20(2011), pp.65-75.
- 33- Iraj Zarei, Yousef Sohrabi, Danial Kahrizi and **Kheirollah Yari**, Effect of different hydropriming times on the quantitative and qualitative characteristics of chickpea, African Journal of Biotechnology Vol. 10(66), pp. 14844-14850, 26 October, 2011.
- 34- Danial Kahrizi, Mozghan Molsaghi, Akbar Faramarzi, **Kheirollah Yari\***, Elham Kazemi, Ali Mohammad Farhadzadeh, Shahriar Hemati, Fardin Hozhabri, Hadi Asgari, Kianoosh Chaghamirza, Alireza Zebarjadi, Namdar Yousofvand, “Medicinal Plants in Holy Quran “American Journal of Scientific Research, 42(2012), pp. 62-71
- 35- Zohreh Rahimi, Mohammad-Reza Azhar , Ziba Rahimi, **Kheirollah Yari**, Interaction of Thymidylate Synthase Polymorphism with MTHFR Variants Modify the Risk of Childhood Acute Lymphoblastic Leukemia. Biharean Biologist Journal, 2012, 6 (2): pp.87-89
- 36- Mohamad Heiat, Hossein Aghamollaei, Seeyed mostafa Hoseinei, Reza Abbasi Larki, **Kheirollah Yari**, Optimization of great plasmid electrotransportation into *E. coli*, using Taguchi statistical method. African journal of Biotechnology, 11(30), 7603-7608, 2012.
- 37- Reza Khodarahmi, Zahra Hossein-pour, KamranMansouri, Sirous Ghobadi, Ali Mostafaie and **Khirollah Yari**, Disease-related fibrillar aggregates may be detrimental via more than one route: Aperspective on the mechanistic etiology of

amyloid-related neurodegenerative disorders using the experimental *in vitro* models, J IRAN CHEM SOC (2012) 9:939-950.

38- A. Bagheri, N. Dastsang and **K. Yari**, Synthesis of 1-[N-(5-chloro-2-hydroxyphenyl)imino]methyl}-2-naphthol Schiff base: characterization and thermal behavior assessment of its complexes with some metal ions. *Der Pharmacia Lettre*, 2012, 4 (2):658-661.

39- **Kheirollah Yari**, Saboor Afzali, Hadi Mozafari, Kamran Mansouri, Ali Mostafaie\*, Molecular cloning, expression and purification of recombinant soluble mouse endostatin as an anti-angiogenic protein in *Escherichia coli*, *Mol Biol Rep* (2013)40:1027-1033.

40- Alinaghi Mirmoayedi, Danial Kahrizi, Samira Pani, **Kheirollah Yari**, Molecular genetic diversity within Myrmeleontidae family, *Mol Biol Rep*, (2013)40:639-643.

41- Zohreh Rahimi, Ziba Rahimi, Reza Akramipour, Hadi Mozafari, **Kheirollah Yari**, Mohammad-Reza Golpaygani, Ali Shahriari-Ahmadi, Association of Factor V Leiden Mutation with Pediatric Acute lymphoblastic Leukemia in Kermanshah Province, *International Journal of Hematology-Oncology and Stem Cell Research*, 2012, Vol 6, No 3, 26-31.

42- Alinaghi Mirmoayedi, Danial Kahrizi, Ali Akbar Ebadi, **Kheirollah Yari**, Mehdi Mohammadi, Study of individual and sex genetic diversity among each genus and between two genera of *Chrysopa* and *Chrysoperla* (Neuroptera, Chrysopidae) based on RAPD-PCR polymorphism. *Mol Biol Rep*, 2012, 39:8999-9006.

### **Persian:**

43- Seyed Safa Ali Fatemi, **Khairollah Yari**\*, Mahmood Tavallaei and Danial Kahrizi, Expression of recombinant Hc domain of *Clostridium botulinum*



neurotoxin A in E. coli and its purification as a vaccine candidate against botulism, Volume 16, Number 2 , Scientific Journal of Kurdistan University of Medical Sciences 2011

44- **Yari, K.**, Rahimi, Z., Felegari, V., Hasanvand, A., Rahimi, M., Visiraygani, A., Synergistic effects of the MTHFR C677T and ACE D polymorphisms on the increased risk of progression of diabetic nephropathy among Iranians with type 2 diabetes mellitus, Journal of Kermanshah University of Medical Sciences. 2012; 16(4): 311-316.

45- Falaknaz M, Mehrabi A, Kahrizi D, Nasrollah Nejad A, **Yari K.**, The Molecular Study and Sequence Analysis of Wdhn13 (LEA) Gene in Common, Durum Wheat and Their Ancestral Genome Donor Species. NCMBJ. 2013; 3 (9) :19-27.

46- **Yari K\***, Fatemi S, Tavallaei M, Moradi M. A Quantitative Comparison of Recombinant Hc Domain of Clostridium Botulinum Neurotoxin A in Escherichia Coli in Batch and Fed-Batch Cultivations. J Mazandaran Univ Med Sci. 2013; 23 (104) :2-10.

47- Falaknaz M, Mehrabi A, Kahrizi D, Nasrollah Nejad A, **Yari K.** The Bioinformatics Study of Wdhn13 Gene in Diploid, Tetraploid and Hexaploid Wheat Cultivar by Using Insilco AFLP Analysis. NCMBJ. 2013; 3 (11) :15-20

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## **B) Books (Persian)**

1- **Kheirollah Yari**, Danial kahrizi, “The principles of biosafety and good laboratory guidelines in biological research laboratories” Amozesh va tarvije keshavarzi Pub; Tehran, Iran, 2009.

2- Seyed Abolghasem Ghadami, Kheirollah Yari “Amyloid & Prion” Behta pajohesh Pub., Isfahan, Iran, 2012.

### **Research Skills**

Gene cloning, Expression, Over-expression and Purification of recombinant proteins, Fermenter and fermentation processes, Polymerization Chain Reaction (PCR), RT-PCR, RAPD PCR and RFLP, DNA, RNA Gel electrophoresis & SDS-PAGE, Western blotting, 2-D gel electrophoresis, Methylation specific PCR (MSP).

### **Current Research Projects**

#### **A) Investigator**

- 1- Cloning, expression and purification of soluble recombinant Endostatin in *E. coli* and its anti angiogenic characterization (2009, Grant No 88004).
- 2- Proteins analysis of human ovarian cysts fluid & cystic tumors using two-dimensional gel electrophoresis (2009, Grant No.88076).
- 3- Analysis of Glutathione peroxidase (GPx1 Pro198Leu) and Manganese superoxide dismutase (MnSOD Val16Ala) genotypes and its association with *H. pylori* infection in gastric cancer (2012, Grant No.91265).
- 4- Analysis of TNF- $\alpha$  gene polymorphism and its association with aggressive periodontitis, (2012, Grant No. 92349).
- 5- The study of IL-1B genotypes and its association with aggressive periodontitis, (2013, Mentorship, Grant No. 92061).
- 6- Functional assignment to Mus musculus endostatin mRNA via computational analysis (2013, Mentorship, Grant No.92266).A Quantitative Comparison of

Recombinant Hc Domain of Clostridium Botulinum Neurotoxin A in Escherichia Coli in Batch and Fed- Batch Cultivations (2013, Mentorship, Grant No. 92060).

7- The study of correlation between cagA gene and Helicobacter pylori positive strains with gastric cancer susceptibility (2013, Mentorship, Grant NO. 92062).

## **B) Co-worker**

1. Study of Chrysopidae genetic diversity with RAPD molecular marker, 2010, accepted in Razi University.
2. Association between polymorphisms of genes involved in the vascular system and thrombophilia and the risk of preeclampsia in pregnant women from Kermanshah, (2010, Grant No. 89021).
3. Differentiation of Skin-Derived precursor (SKP) to Insulin Producing cells (IPC) in vitro and proteome analysis of cell during differentiation (2009, Grant NO. 89025).
4. Study of endothelial potential of the adult stem cell isolated from olfactory of adult rat, (2009, Grant No. 88060)
4. Study of endothelial potential of the adult stem cell isolated from olfactory of adult rat, (2009, Grant No. 88060 .
5. study of chrysopidae genetic diversity with RAPD molecular marker (2011, accepted in Razi University)
6. Effects of different planting times and vermicompost levels application on protein band pattern in Fenugreekseed and leaf by SDS-PAGE method, (2012, Grant No.92046).
7. Evaluation of bovine beta – casein locus for detection of A1 and A2 variant using allele - specific PCR, (2011, Grant No. 92187)
8. Production and characterization of anti - CD20 monoclonal antibodies (2011, Grant No.91398)
9. The effect of Crocin and Crocus sativus L on the renal tissue damages and ischemiareperfusion among rats, (2011, Grant NO. 91077).

### **Other activities and Awards**

- 1- Distinguished researcher in Kermanshah University of Medical Sciences, 2009-2010 and 2011-2012.
- 2- Distinguished student researcher (First) in Kermanshah University of Medical Sciences, (2012- 2013 and 2013-2014)
- 3- Member of editorial board in Journal of Molecular Biology and Molecular Imaging, CNB Scholar Journals, Journal of Biology and Today's World.
- 4- Reviewer of Molecular biology Report, African journal of biotechnology, Biharean biologist, Zahedan Journal of Research in Medical Sciences.
- 5- Member of Iranian Society of the Biotechnology
- 6- Member of Iranian Society of the Biosafety.