



**Korosh Khanaki**

**Ph.D. of Clinical Biochemistry**

Nationality: Iranian

Place of Birth: Tehran

E-mail: [khanaki\\_korosh\\_bio@yahoo.com](mailto:khanaki_korosh_bio@yahoo.com)

Tel: 0098-1342536262

### **Position:**

1. Member of Biochemistry Department, Guilan University of Medical Sciences, Rasht, Iran.
2. Supervisor of Medical Biotechnology Research Center, Paramedical Faculty, Guilan University of Medical Sciences, Rasht, Iran.

### **• Educations:**

1. **Bachelor** in Medical Laboratory Sciences, Tehran University of Medical Sciences, Tehran, Iran

2. **M.Sc.** in Clinical Biochemistry, Iran University of Medical Sciences, Tehran, Iran

**Thesis Title:** Comparative study of serum alpha- tocopherol and all- trans retinol and ascorbic acid vitamins in cataract patients and controls.

3. **Ph.D.** in Clinical Biochemistry, Tabriz University of Medical Sciences, Tabriz, Iran.

**Thesis title:** Study of the effect of omega-3 and omega-6 fatty Acids on ectopic and eutopic endometrial cells culture.

4. **Complementary Course of the PhD** at Haukland University Hospital; Bergen, Norway and working on subproject regarding endometrial cancer cell lines and treatment with a panel of chemotherapeutics.

### **• Technical and specialized skills:**

#### **Laboratory experience:**

1. Cell culture: primary culture of mammalian tissue and mammalian cell lines
2. HPLC, GC, ELISA

3. IF, western blot
4. DNA and RNA extraction

**Teaching experience:**

1. Theoretical Biochemistry for Medical and Paramedical students
2. Practical Biochemistry for Dentist students and Paramedical students
3. Molecular and Cellular Biology for Medical Biotechnology and Laboratory students
4. Cell Culture for Medical Biotechnology students.

**Computer skills:**

1. Communication and networking, word processing (Microsoft Word), Power Point, Excel
2. Familiar with SPSS statistical software, EndnoteX6

**• Publication & Book Translation:**

1. Mahmood Abedinzade, Sima Nasri, Masome Jamal Omid, Bizhan Porramezan, **Korosh Khanaki**<sup>\*</sup>. The Effect of Fenugreek (Trigonella Foenum-Graecum) Seed and 17- $\beta$  estradiol on Serum Apelin, Glucose, Lipids, and Insulin in Ovariectomized Rats. Biotech Health Sci. 2015 Aug;2(3):e30402.
2. Mohammad Mohseni Mehran, Mohammad R. Norasfard, Mahmood Abedinzade<sup>\*</sup>, **Korosh Khanaki**. Lamium album or Urtica dioica? Which is more effective in decreasing serum glucose, lipid and hepatic enzymes in streptozotocin induced diabetic rats: a comparative study. Afr J Tradit Complement Altern Med. 2015; 12(5):84-88.
3. Mahmood Abedinzade, Katayoon Harialchi, **Korosh Khanaki**, Mahmood Khosravi, Mojtaba Farahbakhsh. The Effect of Apple Juice on Antioxidant Enzymes and Lipid Profiles in Orchidectomized Rats. Zah J Res Med Sci. 2015 March; 17(3):e1132.
4. Mohseni Mehran SM, Norasfard MR, Abedinzade M, **Khanaki K**. Comparison the effects of Lamium album and Urtica dioica on serum level of glucose and lipid profile in male diabetic rats. J of Guilan University of Med Sci. 2015; 24(93):47-53.[Text in Persian]

5. **Khanaki K**, Sadeghi MR, Akhondi MM, Darabi M, Mehdizadeh A, Shabani M, Rahimipour A, Nouri M. High  $\omega$ -3: $\omega$ -6 fatty acids ratio increases fatty acid binding protein 4 and extracellular secretory phospholipase A2IIa in human ectopic endometrial cells. Iran J Reprod Med. 2014 Nov;12(11):755-64.
6. Shaaker M, Rahimipour A, Nouri M, **Khanaki K**, Darabi M, Farzadi L, Shahnazi V and Mehdizadeh A. Fatty acid Composition of Human Follicular Fluid Phospholipids and Fertilization rate in IVF/ICSI. Iran Biomed J. 2012 July; 16(3):162-168.
7. **Khanaki K**, Ardekani AM, Ghassemzadeh A, Shahnazi V, Sadeghi MR, Darabi M, Mehdizadeh A, Saremi A, Soleimani-Rad J, Imani AR, Nouri M, Rahimipour A. Effect of polyunsaturated fatty acids on secretory phospholipase A2IIa in ectopic endometrial cells. Iran J Reprod Med. 2012 July; 10(4): 321-328.
8. **Khanaki K**, Nouri M, Ardekani AM, Ghassemzadeh A, Shahnazi V, Sadeghi MR, Darabi M, Mehdizadeh A, Dolatkah H, Saremi A, Imani AR and Rahimipour A. Evaluation of the relationship between endometriosis and omega-3 and omega-6 polyunsaturated fatty acids. Iran Biomed J. 2012 Jan; 16(1):38-43.
9. Nourmohammadi I, Modarress M, **Khanaki K**, Shabani M. Association of Serum Alpha-tocopherol, Retinol and Ascorbic Acids with the Risk of Cataract Development. Ann Nutr Metab 2008; 52:296-298.
10. Firoozrai M, Nourmohammadi I, **Khanaki K**. Assessment of Antioxidant Vitamins Retinol and  $\alpha$ -Tocopherol in Plasma and Ascorbic Acid in Plasma and Mononuclear leukocytes in Type 2 Diabetics. Int J Endocrinol Metab 2006; 4: 202-205.
11. Collaboration in book Translation: "Basic Immunology 2001; functions & Disorders of Immune System; Abul K. Abbas".
12. **Khanaki K**, Sadeghi MR, Abedinzadeh M, Akhondi MM, Shabani M. Effect of long-chain fatty acids on secretory phospholipase A2IIa of ectopic and matched eutopic endometrial cells in the culture media. Iranian J. Immunol. Volume 11, Supplement 1, April-May 2014, pages 675-676, Abstract book.

13. **Khanaki K**, Nouri M, Sadeghi MR, Akhondi MM, Darabi M, Mehdizadeh A, Rahimipour A. Effect of polyunsaturated fatty acids on fatty acid binding protein 4 in ectopic endometrial cells. Iranian. J .Immunol. Volume 11, Supplement 1, April-May 2014, pages 662-663, Abstract book.

14. **Khanaki K**, Nouri M, Rahimipour A... Darabi M. Effect of  $\omega$ -3 and  $\omega$ -6 polyunsaturated fatty acids administration on secretory phospholipase A2 type IIa level and cell survival in ectopic and eutopic endometrial cell cultures in patients with endometriosis. Clinical Biochemistry, Volume 44, Issue 13, Supplement, September 2011, Pages S5, Abstract Book.

15. **Khanaki K**, Nouri M..... Imani AR, Rahimipour A. Study of association between omega-3 and omega-6 polyunsaturated fatty acids with endometriosis. Clinical Biochemistry, Volume 44, Issue 13, Supplement, September 2011, Pages S162–S163, Abstract Book.

### **Abstracts (Journals & Conference):**

1. **Khanaki K**, Sadeghi MR, Abedinzadeh M, Akhondi MM, Shabani M. Effect of long-chain fatty acids on secretory phospholipase A2IIa of ectopic and matched eutopic endometrial cells in the culture media. 12<sup>th</sup> International Congress of Immunology and Allergy of Iran, 29 April-2 May 2014, Tehran, Iran. (Poster)

2. **Khanaki K**, Nouri M, Sadeghi MR, Akhondi MM, Darabi M, Mehdizadeh A, Rahimipour A. Effect of polyunsaturated fatty acids on fatty acid binding protein 4 in ectopic endometrial cells. 12<sup>th</sup> International Congress of Immunology and Allergy of Iran, 29 April-2 May 2014, Tehran, Iran. (Poster)

3. **Khanaki K**, Nouri M, Rahimipour A, Motevally Zadeh Ardekani A, Sadeghi MR, Ghasem Zadeh A, Shahnazi V, R Imani, Saremi A, Darabi M. Effect of omega- 3 and omega--6 polyunsaturated fatty acids administration on secretory phospholipase A2 type IIa level and cell survival in ectopic and eutopic endometrial cell cultures in patients with endometriosis. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, 6-9 September 2011, Mashhad, Iran.(Oral)

4. **Khanaki K**, Nouri M, Motevally Zadeh Ardekani A, Ghasem Zadeh A, Shahnazi V, Sadeghi MR, Darabi M, mehdizadeh -, Saremi A, R Imani -, Rahimipour A. Study of association between omega-3 and omega-6 polyunsaturated fatty acids with endometriosis. 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry & Molecular Biology, 6-9 September 2011, Mashhad, Iran.(Poster)

• **Workshop & lectures:**

1. Participation certificate for the workshop entitled "**The Culture of Stem Cells on Three-Dimensional Scaffolds**". Avicenna Research Institute, Tehran, Iran. May 2014.
2. Participation certificate for the workshop entitled "**Elementary Research Methds**". Guilan University of Medical Sciences, Guilan, Iran. Nov 2013.
3. Participation at the workshop entitled "**Clinical Reasoning**". Guilan University of Medical Sciences, Guilan, Iran. Nov 2013.
4. Certificate of attendance for **Lesson Plan& Course Plan** Workshop. Guilan University of Medical Sciences, Guilan, Iran. Sep 2013.
5. Participation at the workshop entitled "**New Teaching Methods in Medical Education**". Guilan University of Medical Sciences, Guilan, Iran. Sep 2013.
6. Participation certificate for the workshop entitled "**Electronic Lessons in Effective Teaching**". Guilan University of Medical Sciences, Guilan, Iran. Mar 2013.
7. Participation at the workshop entitled "**Electronic Learning**". Guilan University of Medical Sciences, Guilan, Iran. Feb 2013.
8. Participation certificate for the workshop entitled "**Scientific Data Management & Electronic References**". Guilan University of Medical Sciences, Guilan, Iran. Feb 2013.
9. Participation at the workshop entitled "**Professional Ethics**". Guilan University of Medical Sciences, Guilan, Iran. Feb 2013.

10. Active Attendance in 16th Iranian Congress of Biochemistry, Iran University of Medical Sciences, Tehran, Iran, 2009.

11. Lecture presentation & Participation at “Trace Elements in Health and Diseases Seminar on **Investigation of Mineral Elements metabolism**”. Tabriz University of Medical Sciences, Tabriz, Iran, 2008.

12. Certificate of attendance for Teaching Methods Workshop on **Basics and Teaching and Learning Methods in Large Groups**, Tabriz University of Medical Sciences, Tabriz, Iran, 2008.

• **Miscellaneous :**

**Iranian Ph.D. exam** Rank 3rd (2007)

**Studentship** Top PhD student (2009)

**Iranian M.Sc. exam** Rank 5th (2001)

**Hobbies** Movie, Travel

• **Referees :**

1. Masoud Darabi, Ph.D, Associate professor of Clinical Biochemistry  
mdarabi@hotmail.com, Biochemistry Department – Tabriz University of Medical Sciences, Tabriz, Iran.

2. Ebrahim Mirzajani, Ph.D, Associate professor of Clinical Biochemistry  
e\_mirzajani@yahoo.com, Biochemistry Department – Guilan University of Medical Sciences, Rasht, Iran.

3. Nadereh Rashtchizadeh, Ph.D, Professor of Clinical Biochemistry  
rashtchizadeh@yahoo.com, Biochemistry Department – Tabriz University of Medical Sciences, Tabriz, Iran.