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***Ph. D. of Biochemistry***  
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## **Educational Background:**

**(2002-2006)** Ph.D., Biochemistry, Institute of Biochemistry and Biophysics, Tehran University, Tehran, Iran

Thesis entitled "*Kinetic aspects of protein refolding using artificial chaperones*".

**(2000-2002)** M. Sc, Biochemistry, Institute of Biochemistry and Biophysics, Tehran University, Tehran, Iran

Thesis entitled "*The effect of temperature on the binding of cyanide to Cytochrome d Salmonella typhimurium in intact cell and solubilized enzyme*".

**(1995-2000)** B. S., Microbiology, Faculty of Science, Tehran University, Tehran, Iran

**(2010-2011)** M.B.A in pharmaceutical industry, Tehran University, Tehran, Iran Thesis entitled "*Market of recombinant proteins in Iran and its comparison to other countries*".

## **Language skills:**

Persian (native); English (fluently); French (fluently).

## **Publications:**

1. Motesaddi Zarandi S, Shahsavani A, Khodaghoh F, Fakhri Y. Concentration, sources and human health risk of heavy metals and polycyclic aromatic hydrocarbons bound PM<sub>2.5</sub> ambient air, Tehran, Iran. *Environ Geochem Health*. 2018 Dec 14. doi: 10.1007/s10653-018-0229-2. [Epub ahead of print]
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3. Aminyavari S, Zahmatkesh M, Farahmandfar M, Khodaghoh F, Dargahi L, Zarrindast MR. Protective role of Apelin-13 on amyloid  $\beta$ <sub>25-35</sub>-induced memory deficit; Involvement of autophagy and apoptosis process. *Prog Neuropsychopharmacol Biol Psychiatry*. 2019 Mar 8;89:322-334.
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5. Nikseresht S, Khodaghoh F, Ahmadiani A. Protective effects of ex-527 on cerebral ischemia-reperfusion injury through necroptosis signaling pathway attenuation. *J Cell Physiol*. 2019 Feb;234(2):1816-1826. doi: 10.1002/jcp.27055. Epub 2018 Aug 1.
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8. Rezaei R, Nasoohi S, Haghparast A, Khodaghoh F, Bigdeli MR, Nourshahi M. High intensity exercise preconditioning provides differential protection against brain injury following experimental stroke. *Life Sci*. 2018 Aug 15;207:30-35.
9. Ebrahimi MJ, Aliaghaei A, Boroujeni ME, Khodaghoh F, Meftahi G, Abdollahifar MA, Ahmadi H, Danyali S, Daftari M, Sadeghi Y. Human Umbilical Cord Matrix Stem Cells

Reverse Oxidative Stress-Induced Cell Death and Ameliorate Motor Function and Striatal Atrophy in Rat Model of Huntington Disease. *Neurotox Res.* 2018 Aug;34(2):273-284.

10. Khatami L, Khodagholi F, Motamedi F. Reversible inactivation of interpeduncular nucleus impairs memory consolidation and retrieval but not learning in rats: A behavioral and molecular study. *Behav Brain Res.* 2018 Apr 16;342:79-88.
11. Kachooei E, Mozaffarian F, Khodagholi F, Sadeghi P, Karami L, Ghasemi A, Vahdat E, Saboury AA, Sheibani N, Moosavi-Movahedi AA. Paclitaxel inhibited lysozyme fibrillation by increasing colloidal stability through formation of "off-pathway" oligomers. *Int J Biol Macromol.* 2018 Jan 17;111:870-879.
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۲. لیلا خلیج، حبیب اله پیروی، فریبا خداقلی، آزاده عبدی، لیلا درگاهی، فاطمه محقق، ابوالحسن احمدیانی. محافظت نخاع در مقابل آسیب ایسکمی- ری پرفیوژن توسط تجویز حاد استرادیول در خرگوشهای نر. مجله فیزیولوژی و فارماکولوژی، ۱۳۸۸، شماره ۱۴، صفحه ۱۰-۱.
3. deoxy- $\Delta$ 12,14-prostaglandin J2 protects PC12 cells from LPS-induced cell death through Nrf2 pathway in PPAR- $\gamma$  dependent manner. Shahnaz Babaei Abraki, Parnian Eslami, Fariba Khodaghali. *Basic and Clinical Neuroscience* 2012.
4. Modulation of H<sub>2</sub>O<sub>2</sub>-induced neurite outgrowth impairment and apoptosis in PC12 cells by a 1,2,4-triazine derivative. Solaleh Khoramian Tusi, Shahnaz Babaei Abraki, Mohsen Amini, Fariba Khodaghali. *Basic and Clinical Neuroscience* 2012.

### **Research interests:**

- Drug design and signal transduction pathways
- Production of recombinant proteins
- Neuroeconomy and emotion