

In the Name of God
CURRICULUM VITAE

Name: **Reihaneh Sabbaghzadeh**
Date and place of birth : 1354/7/1(1974/9/1), Sabzevar, Iran
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Adderss:

Work: Faculty of sciences, Department of biology, Hakim
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ACADEMIC QUALIFICATIONS:

B.Sc.: Biology 1376(1997), Kharazmi University , Tehran, Iran.

M.Sc.: Biochemistry 1379(2001), Guilan University, Rasht, Iran.

Ph.D: Biochemistry 1388(2010), Science and Research Branch, Islamic Azad
University , Tehran, Iran.

POSITIONS:

2004-2014 Laboratory Expert

RESEARCH and ACADEMIC EXPERIENCES:

Teaching Experiences:

2001-2014 Faculty of Sciences, Department of Biology and Chemistry,
Hakim Sabzevari University of Sciences, Sabzevar, Iran .
2007 Sabzevar University of Medical Sciences.
2005 Islamic Azad University.

PAPERS

1-Reyhaneh Sariri, **Reyhaneh Sabbaghzadeh**, Forough Poumohamad, In-Vitro Antioxidant and Anti-Tyrosinase Activity of Methanol Extracts from Crocus Sativus Flowers, Pharmacologyonline, 3: 1-11, 2011.

2- **Reihaneh Sabbaghzadeh** ,The effect of temperature on the structure of insulin-like growth factor (IGF-1) and a similar study based on method of molecular dynamics and computational, Journal of Sabzevar University of Medical Sciences, Volume 20, Number 3 ,2013.

3. R. Sariri, **R. Sabbaghzadeh**, Competitive Adsorption of Proteins on Hydrogel Contact Lenses, the CLAO Journal, Vol. 27, No. 3, July 2001.

4- M. Monajjemi, **R. Sabaghzadeh**, A. R. Ilkhani and F. Mollaamin, Nano-modeling of insulin-like growth factor 1 (IGF-1) by computational methods, African Journal of Microbiology Research, Vol. 5(19), pp. 2895-2905, 23, September 2011.

5- **Sabbaghzadeh, R.**, Monajjemi, M., Mollaamin, F., & Oryan, S, The Effect of Monte Carlo, Molecular Dynamic and Langevin Dynamic Simulation and Computational Calculations on Insulin-Like Growth Factor-1 (IGF-1), J. Cell. Mol. Res., 2(2), 93-102, 2010.

6- **Reihaneh Sabbaghzadeh**, Mohsen Asadbegi, Morphological and biochemical study of peanut, European Journal of Experimental Biology, 3(6): 390-393, 2013.

7- **Reihaneh Sabbaghzadeh**, Simulation of Active Site of Choline Acetyltransferase by Computational Methods, Advances in Environmental Biology , 8(10) June 2014, Pages: 415-424.

8- **Reihaneh Sabbaghzadeh**, Botanical medicines. National Park Forschung in der schweiz (Switzerland Research Park Journal), 2013.

9- **Reihaneh Sabbaghzadeh**, Study of molecular mechanic calculation and solvent effect on peripheral and thermodynamic effects of choline acetyltransferase, Quarterly Journal of Sabzevar University of Medical Sciences, Volume 20, Number 5, Special 2014.

10- **Reihaneh Sabbaghzadeh**, Phosphatidylcholine as a new strategy in biocompatible material, African Journal of Biochemistry Research , 2013.

11- **Reihaneh Sabbaghzadeh**, Thermodynamic effects on energy changes and to compare to structural interaction in Nerve growth factor receptor protein and an enzyme of affecting learning, Quarterly Journal of Sabzevar University of Medical Sciences, Volume 21, Number 2, May & June 2014.

12- Javad Maleki., Mitra Kheirabadi., Safieh Soufian, **Reihaneh Sabaghzadeh** , Design the new virus HTLV-1 protease peptide inhibitors based on Benzene functional group by computational methods, Quarterly Journal of Sabzevar University of Medical Sciences, Volume 21, Number 4, September & October 2014.

Article in conferences

11- **Reihaneh Sabbaghzadeh** , Simulation of choline acetyltransferase by computational methods, 13th Iranian Congress of Biochemistry and 1st symposium of Metabolic diseases, 19-21 Feb 2013, Yazd, Iran.

12- **Reihaneh Sabbaghzadeh**, Ali mohammad Tazari, Narjes zamani, Mahnaz Balali, The effect of heavy elements on effective materials and amount of protein in plantago major, 13th

Iranian Congress of Biochemistry and 1st symposium of Metabolic diseases, 19-21 Feb 2013, Yazd, Iran.

13- **Reihaneh Sabbaghzadeh** , Effects of various concentrations of Lead(II) nitrate and buffer on alpha-tocopherol in red Cabbage, The 17th National & 5th International Iranian Biology Conference, August 2013, Kerman, Iran.

14- **Reihaneh Sabbaghzadeh**, Monte carlo and molecular calculations of insulin-like growth factor-1, The 16th National & 4th International Iranian Biology Conference August 2011, Mashhad, Iran.

15- **Reihaneh Sabbaghzadeh**, Peripheral and thermodynamics effects of IGF-1 on the ontogeny property by simulation methods of QM/MM, The 17th National & 5th International Iranian Biology Conference, August 2013, Kerman, Iran.

16- Ali mohammad Tazari, **Reihaneh Sabbaghzadeh**, Narjes zamani, Mahnaz Balali, Effects of lead on seed germination and plantago major plant physiological characteristics, The 17th National & 5th International Iranian Biology Conference, August 2013, Kerman, Iran.

17- Reyhaneh Sariri, **Reyhaneh Sabbaghzadeh** , The use of lecithin to reduce the absorption of synthetic surfaces, First International Congress of Biochemistry and Biophysics, Jan 2001, Tehran, Iran.

18- **Reyhaneh Sabbaghzadeh** , Simulation and Computation on nerve growth factor, Fourth International Congress of the Society of Interventional Pain th Annual Congress of Iranian regional anesthesia and pain, Oct 2013, Tehran, Iran.

19- **Reyhaneh Sabbaghzadeh** , Overview of Nanotechnology Techniques, First National Conference on Biotechnology - Science Links - Bright Future, Dec 2006, Iran.

20- Designing an intelligent system for the diagnosis of hepatitis B disease and its severity using support vector machine method and FCM, Iran.

21- **Reyhaneh Sabbaghzadeh** , Probing the interaction of human serum albumin with antitumor Pd(II) complex using molecular modeling, The 5th Iranian Conference on Bioinformatics 20-22 May 2014, Tehran university, Iran.

BOOKS

- 1- Collections test questions Biochemistry
- 2- Laboratory Agenda of Biochemistry

Research projects

- 1- Peripheral and thermodynamics effects of neuropeptide Y on the memory property by simulation methods of QM/MM.
- 2- The DFT and molecular dynamic studies on nerve growth factor protein on apoptosis .
- 3- Effect of heavy elements on effective materials and amount of protein in Plantago major.

4- Effect of heavy elements on effective materials and amount of protein in Anethum graveolens

5- The effects of Anethum graveolens plant on quantitative determination PAPP-A protein

AWARDS AND HONORS:

Reward several letters of appreciation from the Teaching Assistant Hakim

Sabzevar university for higher office, monitoring and evaluation .

RESEARCH INTRESTS:

- Drug bioavailability by simulation methods of QM/MM
- Various aspects of drug analysis in vivo by simulation methods of QM/MM
- Evaluation of regional medicinal plants antioxidant activity.