

Curriculum Vitae

Curriculum Vitae (C.V.)

PERSONAL INFORMATION:

EDUCATION

- 2002, Ph.D. Biochemistry, Institute of Biochemistry & Biophysics (IBB), University of Tehran, Tehran, Iran
- 1996, M.Sc. Biochemistry, Department of Biochemistry, faculty of Basic Sciences, Tarbiat Modares University, Tehran, Iran
- 1994, B.Sc. Cell and Molecular biology, Dept. of Biology, Faculty of Sciences, Shiraz University, Shiraz, Iran

Publications:

Publications:

2012:

1. Nazari M, Emamzadeh R, **Hosseinkhani S**, Cevenini L, Michelini E, Roda A. *Renilla luciferase-labeled Annexin V: a new probe for detection of apoptotic cells.* *Analyst.* 2012 Nov 7;137(21):5062-70.
2. Riahi-Madvar A, **Hosseinkhani S**, Rezaee F. *Implication of Arg213 and Arg337 on the kinetic and structural stability of firefly luciferase.* *Int J Biol Macromol.* 2013 Jan;52:157-63.
3. Zolghadr F, Sadeghizadeh M, Amirizadeh N, **Hosseinkhani S**, Nazem S. *How benzene and its metabolites affect human marrow derived mesenchymal stem cells.* *Toxicol Lett.* 2012 Oct 17;214(2):145-53.

4. Moradi M, Hosseinkhani S, Emamzadeh R. Implication of an unfavorable residue (Thr346) in intrinsic flexibility of firefly luciferase. *Enzyme Microb Technol.* 2012 Sep 10;51(4):186-92.
5. Ebrahimi M, Hosseinkhani S, Heydari A, Khavari-Nejad RA, Akbari J.
6. Improvement of thermostability and activity of firefly luciferase through [TMG][Ac] ionic liquid mediator. *Appl Biochem Biotechnol.* 2012 Oct;168(3):604-15.
7. Torkzadeh-Mahani M, Ataei F, Nikkhah M, Hosseinkhani S. Design and development of a whole-cell luminescent biosensor for detection of early-stage of apoptosis. *Biosens Bioelectron.* 2012 Oct-Dec;38(1):362-8.
8. Karimzadeh S, Moradi M, Hosseinkhani S. Delicate balance of electrostatic interactions and disulfide bridges in thermostability of firefly luciferase. *Int J Biol Macromol.* 2012 Dec;51(5):837-44.
9. Kavid N, Madani R, Hosseinkhani S, Mosavari N, Golchinfar F, Emami T, Keshavarz R. Evaluation of immunogenicity of purified cell wall-associated 34 kDa antigen of *Mycobacterium avium* subsp. paratuberculosis infection. *Hybridoma (Larchmt).* 2012 Jun;31(3):163-7.
10. Heidari A, Hosseinkhani S, Talebi S, Meshkani R, Esmailzadeh-Gharedaghi E, Banan M, Darvish H, Ohadi M. Haplotypes across the human caveolin 1 gene upstream purine complex significantly alter gene expression: implication in neurodegenerative disorders. *Gene.* 2012 Aug 15;505(1):186-9.
11. Kazeminasab S, Esmailzadeh-Gharehdaghi E, Oladnabi M, Ohadi M, Mirabzadeh A, Hosseinkhani S. Aberrant expression of Activating Transcription Factor 6 (ATF6) in major psychiatric disorders. *Psychiatry Res.* 2012 Dec 30;200(2-3):1086-7.
12. Mohammadi Z, Dorkoosh FA, Hosseinkhani S, Amini T, Rahimi AA, Najafabadi AR, Tehrani MR. Stability studies of chitosan-DNA-FAP-B nanoparticles for gene delivery to lung epithelial cells. *Acta Pharm.* 2012 Mar 1;62(1):83-92.
13. Ghiasi P, Hosseinkhani S, Noori A, Nafissi S, Khajeh K. Mitochondrial complex I deficiency and ATP/ADP ratio in lymphocytes of amyotrophic lateral sclerosis patients. *Neurol Res.* 2012 Apr;34(3):297-303.
14. Ebrahimi M, Hosseinkhani S, Heydari A, Khavari-Nejad RA, Akbari J. Controversial effect of two methylguanidine-based ionic liquids on firefly luciferase. *Photochem Photobiol Sci.* 2012 Mar 6.
15. Sadeghian F, Hosseinkhani S, Alizadeh A, Hatefi A. Design, engineering and preparation of a multi-domain fusion vector for gene delivery. *Int J Pharm.* 2012 May 10;427(2):393-9.
16. Amini-Bayat Z, Hosseinkhani S, Jafari R, Khajeh K. Relationship between stability and flexibility in the most flexible region of *Photinus pyralis* luciferase. *Biochim Biophys Acta.* 2012 Feb;1824(2):350-8.
17. Mahdavi A, Sajedi RH, Hosseinkhani S, Taghdir M, Sariri R. Site-directed mutagenesis of photoprotein mnemiopsin: implication of some conserved residues in bioluminescence properties. *Photochem Photobiol Sci.* 2013 Mar 20;12(3):467-78. doi: 10.1039/c2pp25320h. Epub 2012 Nov 26.
18. Haghghi F, Mohammadi ShR, Mohammadi P, Eskandari M, Hosseinkhani S. The evaluation of *Candida albicans* biofilms formation on silicone catheter, PVC and glass coated with titanium dioxide nanoparticles by XTT method and ATPase assay. *Bratisl Lek Listy.* 2012;113(12):707-11.

2011

19. Hosseinkhani, S. Molecular enigma of multicolor bioluminescence of firefly luciferase. Review (2011). *Cell Mol Life Sci.* 2011 Apr;68(7):1167-82. Epub 2010 Dec 28. Review.
20. Behzadian F, Barjeste H, Hosseinkhani S, Zarei AR. Construction and characterization of *Escherichia coli* whole-cell biosensors for toluene and related compounds. *Curr Microbiol.* 2011 Feb;62(2):690-6. Epub 2010 Sep 26.
21. Moosavi SM, Ashtiyani SC, Hosseinkhani S. L-carnitine improves oxidative stress and suppressed

- energy metabolism but not renal dysfunction following release of acute unilateral ureteral obstruction in rat. *Neurourol Urodyn.* 2011 Mar;30(3):480-7.
22. Khalifeh K, Ranjbar B, Alipour BS, Hosseinkhani S. The effect of surface charge balance on thermodynamic stability and kinetics of refolding of firefly luciferase. *BMB Rep.* 2011 Feb;44(2):102-
 23. Mohammadi Z, Abolhassani M, Dorkoosh FA, Hosseinkhani S, Gilani K, Amini T, Najafabadi AR, Tehrani MR. Preparation and evaluation of chitosan-DNA-FAP-B nanoparticles as a novel non-viral vector for gene delivery to the lung epithelial cells. *Int J Pharm.* 2011 May 16;409(1-2):307-13. Epub 2011 Feb 26.
 24. Nabiabad HS, Yaghoobi MM, Javaran MJ, Hosseinkhani S. Expression analysis and purification of human recombinant tissue type plasminogen activator (rt-PA) from transgenic tobacco plants. *Prep Biochem Biotechnol.* 2011 Apr;41(2):175-86.
 25. Nazari M, Hosseinkhani S. Design of disulfide bridge as an alternative mechanism for color shift in firefly luciferase and development of secreted luciferase. *Photochem Photobiol Sci.* 2011 Jul 29;10(7):1203-15.
 26. Rasouli S, Hosseinkhani S, Yaghmaei P, Ebrahim-Habibi A. Effects of Sucrose and Trehalose on Stability, Kinetic Properties, and Thermal Aggregation of Firefly Luciferase. *Appl Biochem Biotechnol.* 2011 Sep;165(2):572-82.
 27. Mohseni, S., Marzban, A., Sepehr, S., Hosseinkhani, S., Karkhaneh, M., Azimi, A.. Investigation of some heavy metals toxicity for indigenous *Acidithiobacillus ferrooxidans* isolated from sarcheshmeh copper mine. *Jundishapur Journal of Microbiology.* Volume 4, Issue 3, 2011, Pages 159-166.
 28. Shirzad F, Sajedi RH, Shahangian SS, Rasti B, Mosadegh B, Taghdir M, Hosseinkhani S. Deletion of extra C-terminal segment and its effect on the function and structure of artemin. *Int J Biol Macromol.* 2011;49:311-6.
 29. Esmailzadeh-Gharehdaghi E, Banan M, Farashi S, Mirabzadeh A, Farokhashtiani T, Hosseinkhani S, Heidari A, Najmabadi H, Ohadi M. Support for down-tuning of the calreticulin gene in the process of human evolution. *Prog Neuropsychopharmacol Biol Psychiatry.* 2011 Aug 15;35(7):1770-3.
 30. Sabbaghian M, Ebrahim-Habibi A, Hosseinkhani S, Ghasemi A, Nemat-Gorgani M. Prevention of thermal aggregation of an allosteric protein by small molecules: Some mechanistic insights. *Int J Biol Macromol.* 2011, 49, 806-813.
 31. Mohammadi S, Nikkhah M, Nazari M, Hosseinkhani S. Design of a Coupled Bioluminescent Assay for a Recombinant Pyruvate Kinase from a Thermophilic *Geobacillus*. *Photochem Photobiol.* 2011 Nov;87(6):1338-45.
 32. Samadikhah H, Majidi A, Nikkhah M, Hosseinkhani S. Preparation, characterization and efficient transfection of cationic liposomes and nanomagnetic cationic liposomes. *Int. J. Nanomed.* 2011, 6, 2275-2283.
 33. Vahab Jafarian, Reyhaneh Sariri, Saman Hosseinkhani, Mahmoud-Reza Aghamaali, Reza Hassan Sajedi, Majid Taghdir, Sadegh Hassannia. A unique EF-hand motif in mnemiopsin photoprotein from *Mnemiopsis leidyi*: Implication for its low calcium sensitivity. *Biochemical and Biophysical Research Communications*, Volume 413, Issue 2, 23 September 2011, Pages 164-170.
 34. Nasrin Mollania, Khosro Khajeh, Bijan Ranjbar, Saman Hosseinkhani. Enhancement of a bacterial laccase thermostability through directed mutagenesis of a surface loop. *Enzyme and Microbial Technology*, 2011, 2011 Oct 10;49(5):446-52.
 35. Heidari A, Nariman Saleh Fam Z, Esmailzadeh-Gharehdaghi E, Banan M, Hosseinkhani S, Mohammadparst S, Oladnabi M, Ebrahimpour MR, Soosanabadi M, Darvish H, Firouzabadi SG, Farashi S, Najmabadi H, Ohadi M. Core promoter STRs: Novel mechanism for inter-individual variation in gene expression in humans. *Gene.* 2011 Oct 21.
 36. Aghamaali MR, Jafarian V, Sariri R, Molakarimi M, Rasti B, Taghdir M, Sajedi RH, Hosseinkhani S. Cloning, Sequencing, Expression and Structural Investigation of Mnemiopsin from *Mnemiopsis leidyi*: An Attempt Toward Understanding Ca(2+)-Regulated Photoproteins. *Protein J.* 2011 Oct 11.
 37. Mohammadi Z, Dorkoosh FA, Hosseinkhani S, Gilani K, Amini T, Najafabadi AR, Tehrani MR. In vivo

transfection study of chitosan-DNA-FAP-B nanoparticles as a new non viral vector for gene delivery to the lung. *Int J Pharm.* 2011 Sep 29.

38. Mortazavi M, Hosseinkhani S. Design of thermostable luciferases through Arginine saturation in solvent exposed loops. *Protein Eng Des Sel.* 2011, 24, 893-903.

39. Mohseni, S., Karkhaneh, M., Sepehr, S., Hosseinkhani, S., Marzban, R. Study of resistance of indigenous bacteria involved in the process of Copper bioleaching to silver and mercury toxic metals in different concentrations. *J. pure appl. Microb.* 2011, 5, 603-609.

2010

40. Maghami P, Ranjbar B, Hosseinkhani S, Ghasemi A, Moradi A, Gill P. Relationship between stability and bioluminescence color of firefly luciferase. *Photochem Photobiol Sci.* 2010 Mar;9(3):376-83.

41. Moosavi SM, Ashtiyani SC, Hosseinkhani S, Shirazi m. Comparison of the effects of L: -carnitine and alpha-tocopherol on acute ureteral obstruction-induced renal oxidative imbalance and altered energy metabolism in rats. *Urol Res.* 2010 Jun;38(3):187-94. Epub 2009 Nov 26.

42. Rahman Emamzadeh, Saman Hosseinkhani, Rohollah Hemati, Majid Sadeghizadeh. RACE-based amplification of cDNA and expression of a luciferin-regenerating enzyme (LRE): An attempt towards persistent bioluminescent signal.

Enzyme and Microbial Technology, Volume 47, 2010, 159-165.

43. Mollania N, Khajeh K, Hosseinkhani S, Dabirmanesh B. Purification and characterization of a thermostable phytate resistant alpha-amylase from *Geobacillus* sp. LH8. *Int J Biol Macromol.* 2010 Jan 1;46(1):27-36. Epub 2009 Oct 27.

44. Imani M, Hosseinkhani S, Ahmadian S, Nazari M Design and introduction of a disulfide bridge in firefly luciferase: increase of thermostability and decrease of pH sensitivity. *Photochem Photobiol Sci.* 2010 Aug;9(8):1167-77.

45. Zeinoddini M, Khajeh K, Behzadian F, Hosseinkhani S, Saeedini AR, Barjesteh H. Design and Characterization of an Aequorin-based Bacterial Biosensor for Detection of Toluene and Related Compounds. *Photochem Photobiol.* 2010 Sep-Oct;86(5):1071-5.

46. Bathaie SZ, Jafarnejad A, Hosseinkhani S, Nakhjavani M. The effect of hot-tub therapy on serum Hsp70 level and its benefit on diabetic rats: a preliminary report. *Int J Hyperthermia.* 2010;26(6):577-85.

47. Boozarpour, S., Sadeghizadeh, M., Shokrgozar, M.A., Hosseinkhani, S., Shojaosadati, S.A., Gharavi, S., Ahangari, G., Ranjbar, B. Bacterial overexpression of the human interleukin-2 in insoluble form via the pET trx fusion system. *Journal of Biotechnology. Volume 8, Issue 4, 2010, Pages 270-274.*

A) full papers:

1. Azari, F. Hosseinkhani, S. and Nemat-Gorgani, M. (2001) Use of Reversible Denaturation for Adsorptive Immobilization of Urease. *Appl. Biochem. Biotechnol.* 94, 265-277.
2. Hosseinkhani, S., Szittner, R., Nemat-Gorgani, M., and Meighen, E. (2002) Evaluation of the Affinity of Bacterial Luciferases for Immobilization on Hydrophobic Supports : In: *Bioluminescence and Chemiluminescence: Progress and current Applications* (edited by Philip E. Stanley & Larry J. Krika). World Scientific Publishing Co., 2002, pp. 77-80.
3. Miyamoto, C., Skouris, N., Hosseinkhani, S., Lin, Leo C-Y., Meighen E. (2002) Common features of the quorum sensing systems in *Vibrio* species: In: *Bioluminescence and Chemiluminescence: Progress and current Applications* (edited by Philip E. Stanley & Larry J. Krika). World Scientific Publishing Co., 2002, pp. 97-100.
4. Hosseinkhani, S., Moosavi-Movahedi, A.A. and Nemat-Gorgani, M. (2003) Interaction

- of Glucose Oxidase With Alkyl-Substituted Sepharose 4B. *Appl. Biochem. Biotechnol.* 110, 165-174.
5. Hosseinkhani, S. and Szittner, R. Nemat-Gorgani, M., and Meighen, E. (2003) Adsorptive immobilization of bacterial luciferases on Alkyl-Substituted Sepharose 4B. *Enz. Microbial. Technol.* 32, 186-193.
 6. Hosseinkhani, S. and Nemat-Gorgani, M. (2003). Partial unfolding of carbonic anhydrase provides a method for its immobilization on hydrophobic adsorbents and protects it against irreversible thermoinactivation. *Enz. Microbial Technol.* 33, 179-184.
 7. Safarian s., Moosavi-Movahedi A.A., Hosseinkhani S, Xia Z.C., Habibi-Rezaei M., Hosseini G., Sorenson, Sheibani N. (2003) The structural and Functional Studies of His119 and His12 in RNase A via Chemical Modification. *J. Protein Chemistry.* 22, 643-654.
 8. Hosseinkhani, S., Ranjbar, B., Naderi-Manesh, H. and Nemat-Gorgani, M. (2004) Chemical Modification of Glucose Oxidase: Possible Formation of Molten Globule-Like Intermediate Structure. *FEBS Lett.* 561, 213-216.
 9. Said Alipour, B., Hosseinkhani, S., Nikkhah, M., Naderi-Manesh, H., Chaichi, M.J., Kazempour Osaloo, S. (2004) Molecular cloning, sequence analysis and expression of a cDNA encoding the luciferase from the glow-worm, *Lampyrus turkestanicus*. *Biochemical and Biophysical Research Communication* 325, 215-222
 10. Hosseinkhani, s., Szittner, R., and Edward Meighen. Random mutagenesis of Bacterial Luciferase: Critical role of Glu175 in Luminescence decay. *Biochem. J.* (2005) 385, 575-580.
 11. Riahi Madvar, A., Hosseinkhani, S., Khajeh, K., Ranjbar, B. Asoudehb A. Implication of a Critical (Glu175) in structure and function of Bacterial Luciferase. *FEBS Lett.* (2005) 579, 4701-4706.
 12. Kazzazi, M., Bandani, A. R., Hosseinkhani, S. Biochemical characterization of α -amylase of the Sunn pest, *Eurgaster intergriceps*. *Entomological sciences* (2005) 8, 371-377.
 13. Naveh VH, Bandani AR, Azmayeshfard P, Hosseinkhani S. Digestive proteinase activity of the Khapra beetle, *Trogoderma granarium* Everts (Coleoptera: Dermestidae). *Commun Agric Appl Biol Sci.* (2005) 70(4): 879-82.
 14. Kazzazi M, Bandani AR, Ashuri A, Hosseinkhani S. A amylase activity of nymphal stages of sunn pest, *Eurygaster integriceps* Puton (Hemiptera: Scutelleridae). *Commun Agric Appl Biol Sci.* 2005;70(4), 863-7.
 15. Zonouzi R, Ashtiani SK, Hosseinkhani S, Baharvand H. Kinetic properties of lactate dehydrogenase extracted from mouse embryonic stem cell-derived cardiomyocytes and mouse neonatal cardiomyocytes. *Yakhteh (Persian).* (2005) 7, 146-151.
 16. Hosseinkhani, S. Bioluminescence, *Biology Education Journal* .(1384)59, 8-13.
 17. Riahi Madvar, A., Hosseinkhani, S., Khajeh, K., Ranjbar, B.. Gene expression, purification and luminescence decay of bacterial luciferase from *Xenorhabdus luminescens* upon Glu175Gly mutation. *Biology J. of IRAN.* (1385) 19, 451-458.
 18. Khajeh K., Monsef Shokri, M., Asghari, S.M., Moradian, F., Ghasemi, A., Sadeghi M., Ranjbar, B., Hosseinkhani, S., Gharavi, S., Naderi-Manesh, H. Acidic and proteolytic digestion of α -amylases from *Bacillus licheniformis* and *Bacillus amyloliquefaciens*: Stability and flexibility analysis. *Enz. Microb. Technol.* 38 (2006) 422-428.
 19. Monsef Shokri, M., Khajeh, K., Alikhajeh, J., Asoodeh, A., Ranjbar, B., Hosseinkhani, S., i Sadeghi M. Comparison of the molten globule states of thermophilic and mesophilic α -amylases. *Biophysical Chemistry.* 122 (2006) 58-65.
 20. Zonouzi R, Ashtiani SK, Hosseinkhani S, Baharvand H. Kinetic properties of extracted lactate dehydrogenase and creatine kinase from mouse embryonic stem cell- and

- neonatal-derived cardiomyocytes. *J Biochem Mol Biol* (2006)39 (4):426-31.
21. Pazhang M, Khajeh K, Ranjbar B, Hosseinkhani S. Effects of water-miscible solvents and polyhydroxy compounds on the structure and enzymatic activity of thermolysin. *J. Biotechnol.* (2006). 127, 45-53.
 22. Mossavarali S, Hosseinkhani S, Ranjbar B, Miroliaei M. Stepwise modification of lysine residues of glucose oxidase with citraconic anhydride. *Int J Biol Macromol.* (2006). 39, 192-196.
 23. Zonouzi R, Ashtiani SK, Hosseinkhani S, Baharvand H. Kinetic properties of extracted creatine kinase from mouse embryonic stem cells- and neonatal-derived cardiomyocytes. (Persian) *Kowsar Medical Journal* (2006)11, 51-57.
 24. Emamzadeh AR, Hosseinkhani S, Sadeghizadeh M, Nikkhah M, Chaichi MJ, Mortazavi M. cDNA cloning, expression and homology modeling of a luciferase from the firefly *Lampyroidea maculata*. *J Biochem Mol Biol.* (2006). 39(5), 578-85.
 25. Salemi, Z. Hosseinkhani, S., Ranjbar, B., Nemat-Gorgani, M. Interaction of native and apo-carbonic anhydrase with hydrophobic adsorbents: A comparative structure-function study. *J Biochem Mol Biol.* (2006) 39(5), 636-41.
 26. Baharvand H, Hajheidari M, Zonouzi R, Ashtiani SK, Hosseinkhani S, Salekdeh GH. Comparative proteomic analysis of mouse embryonic stem cells and neonatal-derived cardiomyocytes. *Biochem Biophys Res Commun.* (2006) 349(3):1041-9.
 27. Yousefi-Nejad, M., Hosseinkhani, S. Khajeh, K., Ranjbar B. Expression, Purification and Immobilization of Firefly Luciferase on Alkyl-Substituted Sepharose 4B. *Enz. Microb. Technol.* (2006) 40, 740-746.
 28. Tafreshi, N. K. Hosseinkhani, S. Sadeghizadeh, M. Sadeghi, M., Ranjbar, B., Naderi-Manesh, H. The Influence of Insertion of a Critical Residue (Arg356) in Structure and Bioluminescence Spectra of Firefly Luciferase. (2007). *J. Biol. Chem.* 282, 8641-8647.
 29. Hosseinaveh, V., Bandani, A., Azmayeshfard, P., Hosseinkhani, S., Kazzazi, M..Digestive proteolytic and amylolytic activities in *Trogoderma granarium* Everts (Dermestidae: Coleoptera) *Journal of Stored Products Research*, 43,)2007(515-522.
 30. Hashem Yaghoobi, Khosro Khajeh, Saman Hosseinkhani, Bijan Ranjbar and Hossein Naderi-Manesh Application of zero-length cross-linking to form lysozyme, horseradish peroxidase and lysozyme-peroxidase dimers: activity and stability. *International Journal of Biological Macromolecules*, 41,)2007(624-630.
 31. Shirazy NH, Ranjbar B, Hosseinkhani S, Khalifeh K, Madvar AR, Naderi-Manesh H. Critical role of Glu175 on stability and folding of bacterial luciferase: stopped-flow fluorescence study. *J Biochem Mol Biol.*)2007(40(4): 453-8.
 32. Gharavi, S., Sadeghizadeh, M., Hosseinkhani, S., Sabahi, F. A study of varicella zoster virus glycoprotein C regulatory region response to viral activators in vitro.) 2007) *Pakistan Journal of Biological Sciences* 10 (13), pp. 2140-2145.
 33. Ashtiyani SC., Moosavi SMS., Hosseinkhani S., Shirazi M. Metabolic and oxidative stress indicates in acute unilateral ureteral obstructive nephropathy in rat. *Tehran University Medical Journal.* (2007). 65(7): 17-23.
 34. Lotfi A., Nejad Ali M., Hosseinkhani S., Ranjbar B., Etmadilia B. Structural studies of alpha-1-antitrypsin in native and polyper state. *Biology J. of IRAN.* (1386).20: 34-41.
 35. Mortazavi, M. Hosseinkhani, S., Khajeh, Kh. Ranjbar, B. Emamzadeh, A. R., Spectroscopic and functional characterization of *lampyris turkestanicus* luciferase: a comparative study. *Acta. Biochem. Biophys. Sin.* (2008). 40: 365- 374.
 36. Narges Kh. Tafreshi, Majid Sadeghizadeh, Rahman Emamzadeh, Bijan Ranjbar, Hossein Naderi-Manesh, and Saman Hosseinkhani. Site-directed mutagenesis of firefly luciferase: implication of conserved residue(s) in bioluminescence emission spectra among firefly

- luciferases. *Biochem. J.* (2008). 412: 27-33.
37. Fariborze Zaare-Nahandi, Saman Hosseinkhani, Zabihollah Zamani, Asad Asadi-Abkenar, Reza Omidbaigi. Delay expression of limonoid UDP-glucosyltransferase make delayed bitterness in citrus. *Biochemical and Biophysical Research Communications.* (2008). 371: 59-62.
 38. Maryam Mehrabi, Saman Hosseinkhani, Sirous Ghobadi. Stabilization of firefly luciferase against thermal stress by osmolytes. *International Journal of Biological Macromolecules.* (2008). 43: 187-191.
 39. Mojtaba Mortazavi, Saman Hosseinkhani, Abdolrahman Emamzadeh, Expression and purification of the luciferase enzyme and in vivo ATP Assay. *Physiology and Pharmacology.* (2008). 12(2): 109-114.
 40. Mohammad Mehdi Heidari, Massoud Houshmand, Saman Hosseinkhani, Shahriar Nafissi, Barbara Scheiber-Mojdehkar, Mehri Khatami. Association between trinucleotide CAG repeats of the DNA polymerase gene (POLG) with age of onset of Iranian Friedreich's ataxia patients. *Neurol Sci* (2008) 29:489-493.
 41. Keyvanshokoo S., Kalbassi MR., Saman Hosseinkhani, Vaziri B. Comparative proteomics analysis of male and female Persian sturgeon (*Acipenser persicus*) gonads. *Anim Reprod Sci.* (2008). In press.
 42. Keyvanshokoo S., Kalbassi MR., Vaziri B. Saman Hosseinkhani, Preliminary proteom analysis of Iranian sturgeon (*Acipenser persicus*) gonads (Farsi). *Novel Genetics Journal* (In press. (
 43. Mohammad Mehdi Heidari, Massoud Houshmand, Saman Hosseinkhani, Shahriar Nafissi, Barbara Scheiber-Mojdehkar, Mehri Khatami. A Novel Mitochondrial Heteroplasmic C13806A Point Mutation Associated with Iranian Friedreich's Ataxia. *Cell Mol Neurobiol* (2009) 29:225-233.
 44. Moradei A. Hosseinkhani, S., Naderi-Manesh H., Sadeghizadeh, M., Said Alipour B. Effect of Charge Distribution in a Flexible Loop on the Bioluminescence Color of Firefly Luciferases. *Biochemistry* 2009, 48, 575-582
 45. Mohammad Mehdi Heidari, Massoud Houshmand, Saman Hosseinkhani, Shahriar Nafissi, Mehri Khatami. Complex I and ATP Content Deficiency in Lymphocytes from Friedreich's Ataxia. *Can. J. Neurol. Sci.* 2009; 36: 26-31.
 46. Said Alipour B, Hosseinkhani S, Ardestani SK, Moradi A. The effective role of positive charge saturation in bioluminescence color and thermostability of firefly luciferase. *Photochem Photobiol Sci.* 2009 Jun;8(6):847-55.
 47. Ataei F, Hosseinkhani S, Khajeh K. Limited Proteolysis of Luciferase as a Reporter in Nanosystem Biology: A Comparative Study. *Photochem Photobiol.* 2009 Jun 22. [Epub ahead of print.]
 48. Riahi-Madvar A, Hosseinkhani S. Design and characterization of novel trypsin-resistant firefly luciferases by site-directed mutagenesis. *Protein Eng Des Sel.* 2009 Aug 6. [Epub ahead of print]
 49. Ataei F, Hosseinkhani S, Khajeh K. Luciferase protection against proteolytic degradation: a key

B) full papers in Congress:

- 1- Zahra Amini-baiat, Saeed Bayanolhagh, Saman Hosseinkhani, Hossein Naderi-Manesh, Amin Baghizadeh. Development of aflatoxin B1 measurement by chemiluminescence enzyme immunoassay. The 14th National Biotechnology Congress of Iran. August.(2005) Kerman, Iran.
- 2- Leila Hasani, Bijan Ranjbar, Saman Hosseinkhani. Stabilization of peroxidase enzyme in organic solvents by citraconic anhydride. The 14th National Biotechnology Congress of Iran. August.(2005) Kerman, Iran.
- 3- Farangis Ataei, Saman Hosseinkhani, Khosro khajeh, Ali Riahi Madvar. Comparison of proteolytic sensitivity of luciferases from *Photinus pyralis* and *Lampyrus turkestanicus*.. The 2th National cellular and molecular Congress of Iran. 29-30 Jun. (2008) Kerman, Iran.
- 4- Ali Riahi Madvar, Saman Hosseinkhani, Farangis Ataei. Enhancement of stability in *Photinus pyralis* luciferase against trypsin digestion with site directed mutagenesis.. The 2th National cellular and molecular Congress of Iran. 29-30 Jun. (2008) Kerman, Iran.
- 5- Saman Hosseinkhani, Narges Kh. Tafreshi, Farangis Ataei and et al. Cloning, Sequencing analysis and genetic engineering of Iranian firefly luciferase to improve stability and red-light emission. The 2th National cellular and molecular Congress of Iran. 29-30 Jun. (2008) Kerman, Iran.
- 6- Farangis Ataei, Saman Hosseinkhani, Khosro khajeh. Evaluation of limited proteolysis of firefly luciferase from *Lampyrus turkestanicus* and its protection against proteolytic by osmolytes. The 5th National Biotechnology Congress of Iran. 24-26 Nov, 2007, Summit Meeting Conference Hall, Tehran, Iran.
- 7- Zahra Amini-baiat, Saeed Bayanolhagh, Saman Hosseinkhani, Hossein Naderi-Manesh, Fereidon mahboudi. Development of a chemiluminescence-ELISA assay for the detection of antibodies against HCV antigens. The 5th National Biotechnology Congress of Iran. 24-26 Nov, 2007, Summit Meeting Conference Hall, Tehran, Iran .

C) Books:

1. Applied Enzymology
2. Biochemistry, Stryer (translation)-Volume 1
3. Biochemistry, Stryer (translation)-Volume 2
4. Biology, Campbell (Editor)-Volume 1
5. Biology, Campbell (Editor)-Volume 2
6. Biology, Campbell (Editor)-Volume 3
7. Biology, Solomon (Editor)-Volume 1

D) Selected Abstracts:

1. Hosseinkhani, S. and Naderimanesh H. (1997) Evaluation of anti-metabolic effect of N,N,-dimethyl phosphor amidic acid bis (4-nitrophenyl) ester on malignant hela cells & its interaction with DNA. 2nd International Conference on Pharmaceutical Sciences, Karachi, Pakistan.
2. Hosseinkhani, S. and Naderimanesh, H. (1997) Evaluation of protein synthesis inhibition of

hela cells in presence of a new organophosphorous compound. The forth Biochemistry Congress, Babol, Iran.

3. Hosseinkhani, S. and Nemat-Gorgani, M. (1999) Adsorptive immobilization of glucose oxidase on palmityl-Sepharose. The fifth Biochemistry Congress, Urmia, Iran .
4. Hosseinkhani, S. and Nemat-Gorgani, M. (1999) Reversible Denaturation Of Glucose Oxidase and its Adsorption on a Hydrophobic Support. 6th IUBMB Conference, Seoul, Korea.
5. Hosseinkhani, S. and Nemat-Gorgani, M. (2000) Interaction of a Hydrophobic Ligand with FAD- Binding Site of Glucose Oxidase. 18th International Congress of Biochemistry and Molecular Biology, Birmingham, UK.
6. Hosseinkhani, S. and Nemat-Gorgani, M. (2001) Adsorptive Immobilization of Structures of Carbonic Anhydrase Supports . Fourth European Symposium of the Protein Society, Institut Pasteur, Paris. France.
7. Hosseinkhani, S. Naderi-Manesh, H., Nemat-Gorgani, M., Edvard Migen. Immobilization of luciferase enzyme and FMN reductase on hydrophobic surface. 12th national Biology conference, 2002, Urmia, Iran.
8. Hosseinkhani, S., Szittner, R., Nemat-Gorgani, M. and Meighen, E. (2002) Evaluation of the Affinity of Bacterial Luciferases for Immobilization on Hydrophobic Supports.12th International Symposium on Bioluminescence & Chemiluminescence. Cambridge ,UK.
9. Miyamoto, C., Skouris, N., Hosseinkhani, S., Lin, Leo C-Y., Meighen E. (2002) Common features of the quorum sensing systems in *Vibrio* species. 12th International Symposium on Bioluminescence & Chemiluminescence. Cambridge ,UK.
10. Hosseinkhani, S., Ranjbar, B., Naderi-Manesh, H. and Nemat-Gorgani, M. (2003) induction of molten globule like structure upon modification of glucose oxidase. 19th International Congress of Biochemistry and Molecular Biology, Toronto, Canada.
11. Saman Hosseinkhani, Rose Szittner. Random mutagenesis of Bacterial luciferase a basis for luminescent microarray development. 2003. 19th International Congress of Biochemistry and Molecular Biology, Toronto, Canada
12. Sabbaghian, M., Hosseinkhani, S., Nemat-Gorgani, M. Interaction of Glutamate dehydrogenase with alkyl-substituted 4B. 19th International Congress of Biochemistry and Molecular Biology, Toronto, Canada.
13. Nemat-Gorgani, M., Hosseinkhani, S., Azari, F. Reversible denaturation of proteins may provide a method for their adsorptive immobilization on hydrophobic supports. 19th International Congress of Biochemistry and Molecular Biology, Toronto, Canada.
14. Sh. Mosavarali, Bijan Ranjbar, M. Miroliaei, S. Hosseinkhani. Evaluation of effect chemical modification on structure and function glucose oxidase enzyme. 6th national Biochemistry and Biophysics conference, 2004, Damghan, Iran.
15. Hosseinkhani, S. Said alipour, B., Nikkhah, M., Naderi-Manesh, M., Sadeghi-Zadeh, M., Naderi-Manesh, H., and Chaichi, M.J. Molecular cloning and expression of a cDNA encoding the luciferases from the firefly, *Lampyrus turkestanicus*. *Luminescence*, 2004; 19:146.
16. Said alipour, B., Hosseinkhani, S. Nikkhah, M., Naderi-Manesh, M., and Chaichi, M.J. cloning and sequencing of *Lampyrus turkestanicus* luciferases. 12th national Biology conference, 2004, Hamadan, Iran.
17. Riahi, A. Hosseinkhani, S., Ranjbar, B, Asoudeh, A. Expression , purification and structural comparison of native and mutant bacterial luciferases. 12th national Biology conference, 2004, Hamadan, Iran.
18. Yaghibi Chehalgaz, H., Hosseinkhani, S., Asoodeh, A. Dimer formation in lysozyme without chemical reagents: Kinetic and structural properties. 12th national Biology conference, 2004, Hamadan, Iran.
19. Maryam Monsef Shokri, Khosro Khajeh, Bijan Ranjbar, Saman Hosseinkhani. Comparative

- structural studies on mesophilic and thermophilic α -amylase by pronase, papain, trypsin and pepsin. 12th national Biology conference, 2004, Hamadan, Iran.
20. Mollania N., Khajeh Kh., Naderi-Manesh M., Hosseinkhani S., Hassan Sajedi R., an Moradian F., Isolation, Purification, and Characterization of a new native thermophilic bacterial α -amylase from LH8. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
21. Mojtaba Mortazavi, Saman Hosseinkhani, and Rahman Emamzadeh, Determination of kinetic and structural properties of luciferases from *Lmpyris turkestanicus*. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
22. Hashem Yaghoobi, Khosro Khajeh, Saman Hosseinkhani. Formation of zero cross-linking in peroxidase: effect on structure and function. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
23. Maryam Monsef Shokri, Khosro Khajeh, Saman Hosseinkhani. Comparison of the molten globule states of thermophilic and mesophilic α -amylase. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
24. Ali Riahi Madvar, Saman Hosseinkhani. Critical role of Glu175 in control of luminescence decay: spectroscopic evidence. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
25. Najmeh Hadizadeh shirazi, Ali Riahi Madvar, Saman Hosseinkhani, Hossien Naderi-Manesh, Bijan Ranjbar. Structural and thermodynamic study of bacterial luciferase with circular dichroism technique. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
26. Mohammad Pazhang, Khosro Khajeh, Saman Hosseinkhani. Effect of organic solvents on thermolysin stabilization by additives. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
27. Masoomeh Yousefinejad, Saman Hosseinkhani. Kinetic analysis of immobilized firefly luciferase on alkyl sepharose 4B. 13th Iranian Biology conference, August 23-25. 2005, Rasht, Iran.
28. Zonouzi R., Kazemi Ashtiani, S., Hosseinkhani S., and Bahavand H., Kinetic properties of extracted lactate dehydrogenase from mouse embryonic stem cell-derived cardiomyocytes and mouse neonatal cardiomyocytes: a comparative study. 8th Iranian Congress of Biochemistry and the 1th International Congress of Biochemistry and Molecular Biology. Sept. 11-15, 2005. Tehran, Iran.
29. A. Rahman Emamzadeh, Saman Hosseinkhani, Maryam Nikkhah, Majid Sadeghizadeh, Mohamad Javad Chaichi. Molecular cloning and expression of a cDNA encoding the luciferase from the firefly *lampyris maculate*. 8th Iranian Congress of Biochemistry and the 1th International Congress of Biochemistry and Molecular Biology. Sept. 11-15, 2005. Tehran, Iran.
30. Yousefi Nejad M., Hosseinkhani S., and khajeh Kh. Gene expression -, purification and immobilization of firefly luciferase. 8th Iranian Congress of Biochemistry and the 1th International Congress of Biochemistry and Molecular Biology. Sept. 11-15, 2005. Tehran, Iran.
31. Saman Hosseinkhani, Ali Riahi Madvar, Bijan Ranjbar, Khosro Khajeh, Rose Szitter and Edward A. Meighen. Critical role of GLU175 in the control of luminescence decay in bacterial luciferase: random mutagenesis, molecular modeling and structure elucidation. 8th Iranian Congress of Biochemistry and the 1th International Congress of Biochemistry and Molecular Biology. Sept. 11-15, 2005. Tehran, Iran.
32. Nasrin Mollania, Khosro Khajeh, Mehdi Naderi-Manesh, Saman Hosseinkhani. Purification, and characterization of a new native thermophilic bacterial α amylase from *globacillus thermodenitrificans* sp. LH8. 8th Iranian Congress of Biochemistry and the 1th International Congress of Biochemistry and Molecular Biology. Sept. 11-15, 2005. Tehran, Iran .
33. M. Ebrahimi, S. Hosseinkhani, Issa Jahanzad, Bayanolhagh S., Naderi-Manesh H., Powerfull cleia system for simultaneous detection of antibodies to HIV1 and HIV2. 14th national & 2th

- International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
34. A. Rahman Emamzadeh, Saman Hosseinkhani, Majid Sadeghizadeh, Maryam Nikkhah, Mohamad Javad Chaichi, Mojtaba Mortazavi. Cloning and characterization of a firefly luciferase from the lampyroid maculate. 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
35. A. Rahman Emamzadeh, Saman Hosseinkhani, Mojtaba Mortazavi. Molecular phylogenetic analysis of a new species of lampyrid from Iran with all known firefly based on the amino acid sequences of the luciferase. 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
36. M.R. Ganjalikhani, S. Hosseinkhani, B. Ranjbar. Study of kinetic stability of firefly luciferase in the presence of osmolytes. 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
37. M. Mehrabi, S. Hosseinkhani, S. Ghobadi. Extraction, purification and stability study of firefly luciferase in the presence of osmolytes. . 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
38. Mojtaba Mortazavi, Saman Hosseinkhani, Khosro Khajeh, Bijan Ranjbar, A. Rahman Emamzadeh. Structural characterization of luciferase from glow-worm *Lampyrus turkestanicus* and firefly *Photinus pyralis* by spectroscopy techniques. 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
39. S.N. Tafreshi, S. Hosseinkhani. Creation of a firefly luciferase with novel properties by random/ site directed mutagenesis. 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
40. Ashtiyani S.C., Shed Moosavi S.M., Hosseinkhani S., Shirazi M. Beneficial effect of L-canitine on disturbed oxidative balance and metabolism state in acute unilateral ureteral obstructive nephropathy in anaestheral rat. 18th Iranian Congress of Physiology & Pharmacology Mashhad-Iran August 26-30, 2007.
41. Ashtiyani S.C., Hosseinkhani S., Shirazi M., Shed Moosavi S.M. Effects of vitamin-E on oxidative stress and metabolism imbalance induced by acute unilateral ureteral observation in anaesthetized rat. 18th Iranian Congress of Physiology & Pharmacology Mashhad-Iran August 26-30, 2007.
42. Farangis Ataei, Saman Hosseinkhani, Khosro khajeh, Sohamah Mohebbi. Study of protease-region in luciferases from glow-worm *Lampyrus turkestanicus* and firefly *Photinus pyralis*. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.
43. Sohamah Mohebbi, Saman Hosseinkhani, Bijan Ranjbar, Farangis Ataei. luciferas firefly of parameters ekinetic on solvents organic different of Effect. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz. - Iran, Oct.29-Nov, 1, 2007.
44. Roohullah Hemmati, Saman Hosseinkhani, Majid Sadeghizadeh, Abdo Rahman Emamzadeh, Mojtaba Fathi. Phylogenetic Analysis of the cDNA encoding lucifern regenerating enzyme from iranin firefly *Lampyrus Turkestanicus*. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.
45. Nasser Shokri Khlehasar, Tagi Golmohammadi, Saman Hosseinkhani, Manouchammadi Iranparvar, Hassan Mirzaei. Study of Association Between Serum Adiponectin and HDL-CAT Diabetic Type 2 and Nondiabetics. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.
46. Mehrdad Farrokhi, Ali Mostafaie, Saman Hosseinkhani. Purification of barley oxalate oxidase using ion exchange chromatography and gel filtration. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran,

Oct.29-Nov, 1, 2007.

47. Maedeh Kaboli, Eskandar Omidinia, Hamid Shahbaz Mohamadi, Saman Hosseinkhani. Aqueous two-phase partitioning of NAD⁺-dependent proline dehydrogenase from *Citrobacter freundii*. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

48. Fariba Mashayekhi Mazar, Hamid Shahbaz Mohamadi, Mina Ebrahimian Rad, Saman Hosseinkhani, Eskandar Omidinia. Partition behavior of *Bacillus subtilis* alkaline protease in aqueous two-phase systems. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

49. Akbar Jafarnejad, Zahra Bathaie, Saman Hosseinkhani, Rahman Rahmanpour. Functional and quantitative analysis of heat shock protein (hsp70) in the presence of high GLC concentrations, in both in vivo and in vitro systems. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

50. A. Rahman Emamzadeh, Saman Hosseinkhani, Mohamad Khalaj Kondori, Mohboobeh Nazari, Mojtaba Mortazavi, Prediction of photorhabdus luminescence luciferase subunits interactions through structural bioinformatics. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

51. Azam Khorshidi, Majid Sadeghizadeh, Bijan Ranjbar, Saman Hosseinkhani. Introducing a new disulphide bond in interleukin 2 by site-directed mutagenesis in order to study the effect of this change on biological activity. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

52. Yasaman Danaei, Haleh Vosgha, Mehrdad Behmanesh, Saman Hosseinkhani, Majid Sadeghizadeh. Study of ITPA gene activity in CML cancerous cell line (k-562). The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

53. Ali Moradi, Saman Hosseinkhani. Investigation of a flexible loop role in determination of light color in firefly luciferase by site directed mutagenesis. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

54. Ali Riahi Madvar, Saman Hosseinkhani, Hossien Naderi-Manesh, Mostaea Sadaghi. Determination of sensitive bonds to protease digestion in firefly luciferase using docking program computations and bioinformatics tools. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

55. Bagher Said alipour, Saman Hosseinkhani, Susan K. Ardestani. Mutagenesis of Iranian firefly (*Lampyrus turkestanicus*) for screening of novel enzyme by site directed mutagenesis. The 9th Iranian Congress of Biochemistry 7& the 2th International Congress of Biochemistry and Molecular Biology. Shiraz.- Iran, Oct.29-Nov, 1, 2007.

56. B.Said-Alipour, S. Hosseinkhani, and S. Kaboudanian Ardestani. Mutagenesis of Iranian luciferase (*Lampyrus turkestanicus*) for improvement of thermostability. 33th FEBS Congress and 11th IUBMB Conference.2008. Athens, Greece, 28June-3July .

57. H. Yaghoobi, Kh. Khajeh, S. Hosseinkhani, and Hossien Naderi-Manesh. Use of zero-length cross-linking to form lysozyme, horseradish peroxidase and lysozyme-peroxidase dimers. 33th FEBS Congress and 11th IUBMB Conference.2008. Athens, Greece, 28June-3July .

58. Nasrin Mollania, Khosro Khajeh, Mehdi Naderi-Manesh, Saman Hosseinkhani. A novel phytate- resistance alpha-amylase from thermophilic bacteria, *Geobacillus hermodenitrificans*: purification, biochemical characterization and cloning. 15th National & 3th International Conference of Biology, 19-21 August 2008. University of Tehran. Tehran, Iran.

59. Mehrdad Farrokhi, Ali Mostafaie, Saman Hosseinkhani. Purification of barley oxalate oxidase

with three different and comparison methods. 15th National & 3th International Conference of Biology, 19-21 August 2008. University of Tehran. Tehran, Iran.

60. Asia Majidi, Saman Hosseinkhani, Mahmoud Reza Jafari, Sima Afsharnejad,. Evaluation of the ability of luciferin entrapment into liposome with bioluminescent Assay. 15th National & 3th International Conference of Biology, 19-21 August 2008. University of Tehran. Tehran, Iran.

61. Leila Khojareh, Golnaz Bahramali, Majid Sadeghizadeh, Mehrdad Behmanesh, Saman Hosseinkhani. Detection of drug resistance mutations in the YMDD and FLLA regions of polymerase gene of HBV in Hepatients by ligase chain reaction. 15th National & 3th International Conference of Biology, 19-21 August 2008. University of Tehran. Tehran, Iran.

62. Rahman Emamzadeh, Saman Hosseinkhani, Mojtaba Mortazavi. cDNA cloning and functional characterization of lampyroidea maculate luciferase: a comparative study. 15th National & 3th International Conference of Biology, 19-21 August 2008. University of Tehran. Tehran, Iran.

63. S. Hosseinkhani, N. Kh. Tafreshi, M. Sadeghizadeh, R. Emamzadeh, B. Ranjbar, H. Naderi-Manesh. Site-directed mutagenesis of lampyrus turkestanicus luciferase: the effect of conserved residue(s) in bioluminescence emission spectra among firefly luciferase. 15th International symposium on Bioluminescence and Chemiluminescence. Luminescence. 2008, 23: 59-114.

E) Gene registration:

:1 EU531467

Citrus sinensis cultivar Thompson navel limonoid UDP-glucosyltransferase (SLLGT) gene, complete cds

gi|187711148|gb|EU531467.1|[187711148]

:2 EU531466

Citrus aurantium limonoid UDP-glucosyltransferase (SLLGT) gene, complete cds

gi|187711146|gb|EU531466.1|[187711146]

:3 EU531465

Citrus sinensis cultivar Shahsavari limonoid UDP-glucosyltransferase (SLLGT) gene, complete cds

gi|187711144|gb|EU531465.1|[187711144]

:4 EU531464

Citrus x paradisi cultivar Marsh seedless limonoid UDP-glucosyltransferase (SLLGT) gene, complete cds

gi|187711142|gb|EU531464.1|[187711142]

:5 EU531463

Citrus limettioides limonoid UDP-glucosyltransferase (SLLGT) gene, complete cds

gi|187711140|gb|EU531463.1|[187711140]

:6 EU326031

Geobacillus thermodenitrificans strain LH8 alpha amylase gene, partial cds

gi|162290028|gb|EU326031.1|[162290028]

:7 EF203090

Geobacillus sp. g DNA ligase gene, complete cds

gi|124302217|gb|EF203090.1|[124302217[

:8 EF198253

Bacillus sp. G(2006) DNA polymerase I gene, complete cds
gi|124262436|gb|EF198253.1|[124262436[

:9 DQ137139

Lampyroidea maculata luciferase mRNA, complete cds
gi|73254755|gb|DQ137139.1|[73254755[

:10 AY742225

Lampyrus turkestanicus luciferase mRNA, complete cds
gi|52631874|gb|AY742225.1|[52631874[