

عنوان	مقطع
بیوشیمی کربوهیدرات و لیپید	کارشناسی ارشد
روشهای بیوشیمی - بیوفیزیک	کارشناسی ارشد
بیوشیمی پروتئین ها و اسیدهای نوکلیک	کارشناسی ارشد
بیو تکنولوژی	کارشناسی ارشد
بیو شیمی کروماتین	کارشناسی ارشد
مکانیزم عمل انزیمهها	دکتری
مباحث پیشرفته در بیوشیمی	دکتری
ژنتیک مولکولی	دکتری
بیوشیمی ساختاری	دکتری
مهندسی پروتئین	دکتری

Finished Projects:

- 1) Screening of Microbial contamination in soil and waters using Bioluminescence (Finished)
- 2) Molecular cloning, expression, purification and characterization of Iranian firefly luciferases (Finished)
- 3) Characterization of critical residue involving in luminescence decay in bacterial luciferases (Finished)
- 4) Directed evolution of Firefly Luciferases: Rational and Non-rational techniques (DNA shuffling and random mutagenesis).
- 5) Immobilization of luciferases on inorganic matrices (Finished)
- 6) Development of Kit for ATP detection

Current Projects:

- 1) Stabilization of firefly luciferases using molecular and genetic techniques.
- 2) Development of red-emitter and thermostable luciferases.
- 3) Cloning, expression and characterization of Luciferin Regenerating Enzyme (LRE).
- 4) Design and application of Nano-sensor in environmental and biomedical research

Publications:

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.

1. 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.
2. 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.
3. .4Hosseinkhani, 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.
4. 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.
5. .6Hosseinkhani, S. and Nemat-Gorgani, M. (2003). Partial unfolding of carbonic anhydrase provides a method for its immobilizaiton on hydrophobic adsorbents and protects it agianst irreversible thermoinactivation. *Enz. Microbial Technol.* 33, 179-184.
6. 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.
7. 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.
8. Said Alipour, B., Hosseinkhani, S., Nikkhah, M., Naderi-Manesh, H., Chaichi , MJ., Kazempour Osaloo, S. (2004) Molecular cloning, sequence analysis and expression of a cDNA encoding the luciferase from the glow-worm, *Lampyris turkestanicus*. *Biochemical and Biophysical Research Communication* 325, 215-222
9. .10Hosseinkhani, s., Szittner, R., and Edward Meighen. Random mutagenesis of Bacterial Luciferase: Critical role of Glu175 in Luminescence decay. *Biochem. J.* (2005) 385, 575-580.
10. Riahi Madvar, A., Hosseinkhani, S., Khajeh, K., Ranjbar, B. Asoudehb A. Implication of a Critical (Glu175) in structure andfunction of Bacterial Luciferase. *FEBS Lett.* (2005) 579, 4701-4706.
11. Kazzazi, M., Bandani, A. R., Hosseinkhani, S. Biochemical characterization of α -amylase of the Sunn pest, *Eurgaster integriceps*. *Entomological sciences* (2005) 8, 371-377.
12. Naveh VH, Bandani AR, Azmayeshfard P, Hosseinkhani S. Digestive proteininase activity of the Khapra beetle, *Trogoderma granarium* Everts (Coleoptera: Dermestidae). *Commun Agric Appl Biol Sci.* (2005) 70(4): 879-82.
13. 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.
14. 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.
15. Hosseinkhani, S. Bioluminescence, *Biology Education Journal* .(1384)59, 8-13.
16. Riahi Madvar, A., Hosseinkhani, S., Khajeh, K., Ranjbar, B.. Gene expression, purification and luminescence decay of bacterial luciferase from *Xenorhabdus* luminescence upon Glu175Gly mutation. *Biology J. of IRAN.* (1385) 19, 451-458.

17. Khajeh K., Monsef Shokri,M. , Asghari, SM., 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.
18. Monsef Shokri, M., Khajeh, K., Alikhajeh, J., Asoodeh, A., Ranjbar, B., Hosseinkhani, S., Sadeghi M. Comparison of the molten globule states of thermophilic and mesophilic α -amylases. *Biophysical Chemistry.* 122 (2006) 58-65.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.
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25. 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.
26. 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.
27. 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.
28. Hosseininaveh, 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.
29. 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.
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- 33. Lotfi A., Nejad Ali M., Hosseinkhani S., Ranjbar B., Etmadilia B. Strucrural studies of alpha-1-antitrypsin in native and polyper state. *Biology J. of IRAN.* (1386).20: 34-41.
 - 34. 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.
 - 35. 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.
 - 36. 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.
 - 37. Maryam Mehrabi, Saman Hosseinkhani, Sorous Ghobadi. Stabilization of firefly luciferase against thermal stress by osmolytes. *International Journal of Biological Macromolecules.* (2008). 43: 187-191.
 - 38. 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
 - 39. .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.
 - 40. Keyvanshokooh 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.
 - 41. Keyvanshokooh S., Kalbassi MR., Vaziri B. Saman Hosseinkhani., Preliminary proteom analysis of Iranian sturgeon (*Acipenser persicus*) gonads (Farsi). *Novel Genetics Journal (In press.)*
 - 42. 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.
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 - 44. 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.
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 - 46. 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.]
 - 47. 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]
48. Ataei F, Hosseinkhani S, Khajeh K. Luciferase protection against proteolytic degradation: a key for improving in nano system biology. *j. biothec.*

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 Biootechnology Congress of Iran. August.(2005) Kerman, Iran.
- 2- Leila Hasani, Bijan Ranjbar, Saman Hosseinkhani. Stabilization of peroxidase enzyme in organic solvents by sitraconic inhidrid. The 14th National Biootechnology 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 *Lampyris 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. Clonong, 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 *Lampyris turkestanicus* and its protection against proteolytic by osmolytes. The 5th National Biootechnology 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 Biootechnology Congress of Iran. 24-26 Nov, 2007, Summit Meeting Conference Hall, Tehran, Iran .

-8- اعظم خورشیدی، مجید صادقی زاده، بیژن رنجبر، سامان حسینخانی. تاخوردگی مجدد و تخلیص همزمان ایترلوكین-2 روی ستون کروماتوگرافی . دومین همایش ملی زیست شناسی سلولی و مولکولی. کرمان، 9 و 10 بهمن ماه 1386.

-9- سعید کیوان شکوه، محمدرضا کلباسی، سامان حسینخانی، بهروز وزیری. بررسی مقایسه ای پروتئوم گندان تاس ماهی ایرانی () نر و ماده. پنجمین همایش ملی بیوتکنولوژی اسلامی ایران. 5-3 آذرماه 1386، سالن اجلاس سران.

10- فریبا مشایخی مزار ، حمید شهبهار محمدی، مینا ابراهیمی راد، سامان حسینخانی، اسکندر امیدی نیا. جداسازی آنزیم پروتئاز قلیایی با استفاده از سیستم دو فازی آبی. پنجمین همایش ملی بیوتکنولوژی اسلامی ایران. 5-3 آذرماه 1386، سالن اجلاس سران.

- 11-سامان حسینخانی، اعظم خورشیدی، بیژن رنجبر، مجید صادقی زاده. مطالعه تاثیر باند دی سولفیدی مهندسی شده بر ساختار پروتئین اینترلوکین-2 از طریق دررنک نمائی دورانی. پنجمین همایش ملی بیوتکنولوژی جمهوری اسلامی ایران. 5-3 آذرماه 1386، سالن اجلاس سران.
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- c) Selected Abstracts:
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 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.
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 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.
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 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

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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, *Lampyris turkestanicus*. Luminescence, 2004; 19:146.
16. Said alipour, B., Hosseinkhani, S. Nikkhah, M., Naderi-Manesh, M., and Chaichi, M.J. cloning and sequencing of *Lampyris 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. Yaghobi 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 a-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 a-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 a- 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 studay 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 lampyroide maculate. 8th Iranian Congress of Biochemistry and the 1th International Congress of Biochemistry and Molecular Biology. Sept. 11-15, 2005. Tehran, Iran.
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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 alpha 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 lampyroide maculate. 14th national & 2th International conference of Biology, 2006, Tarbiat modares university, Tehran, Iran.
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D) Books:

1. Applied Enzymology
2. Biochemistry, Stryer (translation)-Volume 1
3. Biochemistry, Stryer (translation)-Volume 2
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5. Biology, Campbel (Editor)-Volume 2

6. Biology, Campbel (Editor)-Volume 3

7. Biology, Solomon (Editor)-Volume 1

: ثبت اختراع: (E) Patents

کیت سریع تشخیص باکتری به روش بیولومینسانس (1)

کیت سنجش () به روش بیو لومینسانس؛ (*) این کیت هم اکنون علاوه بر تامین نیاز داخل به خارج از کشور نیز صادر می شود.) (2)

کیت سنجش () به روش کمی لومینسانس_ تایید آزمایشگاه رفرانس وزارت بهداشت HIV (3)

کیت سنجش () به روش کمی لومینسانس_ تایید آزمایشگاه رفرانس وزارت بهداشت HBV (4)

کیت سنجش () به روش کمی لومینسانس_ تایید آزمایشگاه رفرانس وزارت بهداشت HCV (5)

F) 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 limettiodes 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

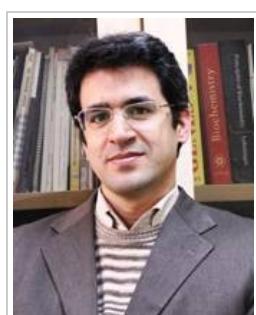
Bacillus sp. G(2006) DNA polymerase I gene, complete cds
gi|124262436|gb|EF198253.1|[124262436[

:9 DQ137139

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

:10 AY742225

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

سامان حسینخانی**گرایش: بیوشیمی****رتبه علمی: استاد**

دکتری: بیوشیمی
کارشناسی ارشد: بیوشیمی
کارشناسی: علوم سلولی و مولکولی

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تاریخچه تدریس سوابق پژوهشی دانشجویان سوابق اجرایی کل رزومه



دانشجویان

پایان نامه های کارشناسی ار شد تحت راهنمایی**نام دانشجو****عنوان**

با قرسید علیپور

1. کلونینگ و تعیین توالی ژن لوسیفراز در گونه لامپریس ترکستانیک

2. بیان ژن ، تخلیص و مقایسه ساختاری آنزیمهای طبیعی و جهش یافته لوسیفراز باکتریایی علی ریاحی مدوار

3. بیان ژن تخلیص و تثبیت آنزیم لوسیفراز گونه photinus pyralis

4. کلونینگ و تعیین توالی ژن لوسیفراز Lampyridae maculata و تعیین خصوصیات آن رحمان امام زاده

5. تخلیص و مقایسه خصوصیات سینتیکی و ساختاری آنزیم لوسیفراز مجتبی مرتضوی

6. طراحی و راه اندازی روش سنجش آفلاتوكسین B1 به روش کمی لمینسانس الایزا زهرا امینی بیات

7. تخلیص و مطالعه پایداری آنزیم لوسیفراز در حضور و عدم حضور اسمولیت ها مریم مهرابی

8. تعیین توالی cDNA کد کننده Luciferin Regenerating Enzyme با کمک روح الله همتی

9. بررسی جایگاه اثر پروتئاز بر آنزیم لوسیفراز و مطالعه پایداری آن در برابر هضم ... فرنگیس عطایی

10. بررسی اثر حللهای آلی بر ساختار و فعالیت آنزیم لوسیفراز سهامه محبی

آسیا محبی

11. بررسی قابلیت انتقال لوسیفرین و زن آنزیم لوسیفراز به سلولهای یوکاریوتی

محسن ابوکاظم پور

12. سنتز مشتقات لوسیفرین و

13. کلونینگ و تعیین نوالي زن آنژیم کیناز

سهیلا محمدی

14. بررسی ..

روبا چراغی

پایان نامه های کارشناسی ار شد تحت مشاوره