



نام و نام خانوادگی	علی اکبر صبوری
مرتبه علمی	استاد تمام
آدرس محل کار	---
تلفن	---
فکس	---
پست الکترونیک	saboury@ut.ac.ir
آدرس وب سایت	---

#### تحصیلات

- 1) کارشناسی، 1365، شیمی، مشهد
- 2) کارشناسی ارشد، 1368، شیمی، مازندران
- 3) دکتری، 1375، شیمی، تربیت مدرس

#### عضویت در مجامع ملی و بین المللی

- 1) عضو، ملی، 1111/01/01، 1111/10/11، Member of FAOBMB council meeting and delegate of FAOBMB in Iran.
- 2) عضو، ملی، 1111/01/01، 1111/10/11، Member of IUBMB council meeting and delegate of IUBMB in Iran.
- 3) Associate member of Abdus-Salam International Center for Theoretical Physics (ICTP; Trieste, Italy), 1111/01/01، 1111/10/11.
- 4) عضو، ملی، 1111/01/01، 1111/10/11، Member of Iranian Chemistry and Chemical Engineering Society.
- 5) عضو، ملی، 1111/01/01، 1111/10/11، Editorial member of Rahyaft (Science Policy Quarterly).
- 6) عضو، ملی، 1111/01/01، 1111/10/11، Member of Biophysical Society in USA.
- 7) Member of International Confederation for Thermal Analysis and Calorimetry (ICTAC), 1111/01/01، 1111/10/11.
- 8) 10) A Regional Editor of "Asian Journal of Biochemistry".، 1111/01/01، 1111/10/11، عضو، ملی.

#### کتابهای تالیفی

- 1) صبوری ، علی اکبر و علی اکبر موسوی موحدی . "سینتیک آنزیمی." : انتشارات دانشگاه تهران، 1375.
- 2) صبوری ، علی اکبر و علی اکبر موسوی موحدی . "ترمودینامیک شیمیایی." : انتشارات دانشگاه تهران، 1376.
- 3) صبوری ، علی اکبر. "شیمی فیزیک تجربی." : دانش نگار، 1377.
- 4) موسوی موحدی ، علی اکبر، علی اکبر صبوری و جمشید خان چمنی . "روش های بیوشیمی و بیوفیزیک." : انتشارات دانشگاه تهران، 1381.
- 5) صبوری ، علی اکبر، حسین درخشان خواه و لقمان علائی. "کاربردهای زیستی نانو مواد جلد سوم: ایمپلنت ها مهندسی بافت و زیست سازگاری." تهران: انتشارات دانشگاه تهران، 1394.
- 6) صبوری ، علی اکبر، حسین درخشان خواه و لقمان علائی. "کاربردهای زیستی نانو مواد جلد دوم: دارو رسانی ژندرمانی و تصویربرداری پزشکی." تهران: انتشارات دانشگاه تهران، 1394.
- 7) صبوری ، علی اکبر، حسین درخشان خواه و لقمان علائی. "کاربردهای زیستی نانو مواد مابانی جلد اول : شیمی و ساختار نانو مواد." تهران: انتشارات دانشگاه تهران، 1394.

#### کتابهای ترجمه شده

- 1) صبوری ، علی اکبر و علی اکبر میرزانی . "مکانیک کوانتیم در شیمی." : انتشارات دانشگاه مشهد، 1371.

#### مقالات چاپ شده در نشریات بین المللی

- 1) , J Chamani, Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, M Gharanfoli , and G H Hakimelahi . "Calorimetric indication of the molten globule like state of cytochrome c induced by n - alkyl sulfates at low concentrations." Journal of Chemical Thermodynamics 35, no. 2 (1732): 199-207.

2) , Hassan Ali Zamani, Farhad Malekzadegan , Mohammadreza Ganjali, F Mizani , Ali akbar Sabouri, M Shamsipur M , and R Khalifeh . "Highly selective and sensitive membrane sensors for copper ( II ) ion based on a new benzo - substituted macrocyclic diamide 6,7,8,9,10 - hexahydro - 2H - 1,13,4,7,10 - benzodioxatriaza cyclopenta - decine - 3,11 ( 4H,12H ) - dione." *Electroanalysis* 555, no. 2 (1973): 336-340.

Journal of Chemistry -, no. 19 (1991): 538-531" . فرهاد کرباسی . Ali akbar Sabouri, T Nemati , and , نغمه ساری صراف, (3 .Sucrose : a potent stabilizer for carbonic anhydrase." *Asian*

4) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Evaluation of the Hill Coefficient from scatchard and Klotz plots." *Comparative Biochemistry and Physiology Part B* 22, no. 1 (1994): 48-49.

5) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Evaluation of Hill coefficient from Scatchard and Klotz Plots." *Comparative Biochemistry and Physiology Part B* 22, no. 1 (1994): 49-48.

6) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Clarification of calaorimetric and vant Hoff enthalpies for evaluation of protein transition states." *Biochemistry and Molecular Biology Education* 22, no. 4 (1994): 210-211.

7) , A K BORDBAR , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "The enthalpy of unfolding for jack bean urease with interaction of n - alklyl trimethylammonium bromide." *Journal of Chemical Thermodynamics* 28, no. 10 (1995): 1077-1082.

8) Sabouri, Ali akbar, A K Bordbar , and Ali Akbar Moosavi-Movahedi. "A theoretical investigation on binding of ionic surfactants to proteins." *Biophysical Journal* 70, no. --- (1996): -.

9) , Ak Bordbar, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "The shapes of Scatchard plots for systems with two sets of binding sites." *Biochemical Education* 24, no. 3 (1996): 172-175.

10) , AK Bordbar, Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Resolution of two sets of binding sites for cationic surfactant - urease interaction." *Bulletin of the Chemical Society of Japan* 69, no. 11 (1996): 3031-3035.

11) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "A new equation for thermodynamic evaluation of ligand protein binding by using isothermal titration calorimetry." *Biophysical Journal* 72, no. 2 (1997): -.

12) , J Masoudy, OABordbar , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Effect of SDS on structure and oxigenation of hemoglobin." *Biophysical Journal* 82, no. 2 (1997): -.

13) , MOGHADAMNIA M , Ali akbar Sabouri, HAKIM ELAHI G H , and Ali Akbar Moosavi-Movahedi. "DENATURATION OF ADENOSINE DEAMINASE WITH UREA AND GUANIDINE HYDROCHLORIDE." *COLLOIDS AND SURFACES B-BIOINTERFACES* 44, no. 4 (1997): 130-123.

14) Moosavi-Movahedi, Ali Akbar, K K Nazari , and Ali akbar Sabouri. "Denauration of horseradish peroxidase with sodium n-dodecy sulfate and dodecyl trimethylammonium bromide." *COLLOIDS AND SURFACES B-BIOINTERFACES* 9, no. --- (1997): 123-130.

15) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "A simple novel method for studying the combined inhibitory effects of ethylurea and N,N - dimethylurea on jack bean urease." *Journal of Enzyme Inhibition* 11, no. 3 (1997): 217-222.

16) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "A simple novel method for determination of an inhibition constant by isothermal titration microcalorimetry . The effect of fluoride ion on urease." *Journal of Enzyme Inhibition and Medicinal Chemistry* 12, no. 4 (1997): 273-279.

17) Sabouri, Ali akbar, AK Bordbar , Ali Akbar Moosavi-Movahedi, J Masoudy , and OA Amire . "Effect of sodium n - dodecyl sulfate on structure and oxygenation of hemoglobin." *Biophysical Journal* 72, no. 2 (1997): -.

18) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, and K K Nazari . "Thermodynamic studies on the interaction of horseradish peroxidase with surfactants." *FASEB Journal suppl* 11, no. 9 (1997): -.

19) , SH Moghadamnia, Ali akbar Sabouri, G H Hakimelahi , and Ali Akbar Moosavi-Movahedi. "Denaturation of adenosine deaminase with urea and GdnHCl." *JOURNAL OF THE CHINESE CHEMICAL SOCIETY* -, no. 44 (1997): 421-417.

- 20) Sabouri, Ali akbar, and S H Moghadamnia . "Denaturation of adenosine deaminase with urea and guanidine hydrochloride." JOURNAL OF THE CHINESE CHEMICAL SOCIETY -, no. 44 (1997): 421-417.
- 21) Moosavi-Movahedi, Ali Akbar, K Nazari , and Ali akbar Sabouri. "Thermodynamics of denaturation of horseradish peroxidase with sodium n - dodecyl sulphate and n - dodecyl trimethylammonium bromide." COLLOIDS AND SURFACES B-BIOINTERFACES 9, no. 3-4 (1997): 123-130.
- 22) , AK Bordbar, Ali akbar Sabouri, MR Housaindokht , and Ali Akbar Moosavi-Movahedi. "Statistical effects of the binding of ionic surfactant to protein." Journal of Colloid and Interface Science 192, no. 2 (1997): 419-415.
- 23) , K Nazari, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Enthalpy investigation for elucidation of the transition concentration for the interaction of horseradish peroxidase with surfactants." Thermochemica Acta 302, no. 1-2 (1997): 131-135 .
- 24) , K K Nazari, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Enthalpy investigation for the elucidation of the transition concentration for the interaction of horseradish peroxidase with surfactants." Thermochemica Acta 302, no. --- (1997): 135-131.
- 25) , Olasoji A Amire, J Masoudy , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Enthalpy change of allosteric transition in human hemoglobin A." Thermochemica Acta 303, no. 2 (1997): 219-224.
- 26) , M Ghadermarzi , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "A microcalorimetry and spectroscopy study on the interaction of catalase with cyanide ion." Polish Journal of Chemistry 72, no. --- (1998): 2024-2029.
- 27) Sabouri, Ali akbar. "Isothermal titration microcalorimetric method for studying the combined ligand binding with application to the binding of ethylurea and ( N,N ) dimethylurea on urease." Thermochemica Acta 320, no. 1,2 (1998): 100-97.
- 28) Sabouri, Ali akbar, MU Dahot , and Ali Akbar Moosavi-Movahedi. "Effect of cobalt binding on the activity and thermal denaturation of Amylase." Biophysical Journal 74, no. 2 (1998): -.
- 29) Sabouri, Ali akbar, MU Dahut , S Ghobadi , J Chamani , and . "Thermodynamic studies on the interaction of cobalt with alpha - amylase." JOURNAL OF THE CHINESE CHEMICAL SOCIETY 45, no. --- (1998): 671-667.
- 30) , Mosafari, Ali akbar Sabouri, AA Shamsaei , and Elham Amin zadeh. "Human serum albumin binding studies of 2,2-bipyridineglycinato palladium (II) chloride." Biophysical Journal 76, no. 1 (1999): -.
- 31) Moosavi-Movahedi, Ali Akbar, and Ali akbar Sabouri. "Elucidation of binding sites for protein denaturation by surfactant." Journal of Chemical Society of Pakistan 21, no. 3 (1999): 259-248.
- 32) , S Z Bathaie , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Energetic and binding properties on DNA upon interaction with dodecyl trimethylammonium bromide." Nucleic Acids Research 27, no. 4 (1999): 1005-1001.
- 33) Sabouri, Ali akbar, M Miroliaie , Mohsen Nemat Gorgani, and Ali Akbar Moosavi-Movahedi. "Kinetic Denaturation of Yeast Alcohol Dehydrogenase and the Effect of Temperature and Trehalose An Isothermal Microcalorimetry Study." Thermochemica Acta 326, no. 1&2 (1999): 131-127.
- 34) Sabouri, Ali akbar, M Miroliaie , M Nemat Gorgani , and Ali Akbar Moosavi-Movahedi. "Kinetics denaturation of yeast alcohol dehydrogenase and the effect of temperature and trehalose. An isothermal microcalorimetry study." Thermochemica Acta -, no. 1,2 (1999): 131-127.
- 35) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, and S SAFARIAN . "Distinction of Km for high cooperative and non-cooperative sites of RNase A using Hill plot." Biophysical Journal 76, no. 1 (1999): 1-179.
- 36) , AA Shamsaei, Ali akbar Sabouri, Ali Akbar Moosavi-Movahedi, and H Mansuri-Torshizi . "Human serum albumin binding studies of 2, 2S - bipyridineglycinato palladium ( II ) chloride complex." Biophysical Journal 76, no. 1 (1999): -.
- 37) Sabouri, Ali akbar. "New representations for isothermal titration calorimetric data analysis." Scientific Sindh 6, no. --- (1999): 11-21.

- 38) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, J Chamani , and MR Housaindokht . "Analysis of binding isotherms for bovine alpha - lactalbumin and n - teradecyl trimethylammonium bromide based on three sets of binding site." *Biophysical Journal* 76, no. 1 (1999): -.
- 39) Sabouri, Ali akbar, F Karbasi , and Ali Akbar Moosavi-Movahedi. "Effect of calcium binding on the stability and biological activity of amylase." *Biophysical Journal* 78, no. 1 (2000): -.
- 40) Sabouri, Ali akbar. "A NEW FORM OF SCATCHARD PLOT TO STUDY BINDING OF FLUORIDE ION ON UREASE BY ISOTHERMAL TITRATION CALORIMETRY." *Indian Journal of Biochemistry and Biophysics* 37, no. 5 (2000): 347-350.
- 41) , Ajiloo D , Dayer MR , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Conformational Stability and Oxygen Affinity for Hemoglobins in High Altitude and Low Land." *Biophysical Journal* 78, no. 1 (2000): -.
- 42) , H iloukhani, J basini parsa , and Ali akbar Sabouri. "Excess molar enthalpies of binary mixtures containing N,N-dimethylformamide +six 2-alkanols (C3-C8) at 300,15K:." *Journal of Chemical and Engineering Data* 45, no. --- (2000): 1016-1018.
- 43) , R Yousefi, Ali akbar Sabouri, M Ghadermarzi , and Ali Akbar Moosavi-Movahedi. "Effects of cystine on the inactivation of bovine liver catalase." *Bulletin of the Korean Chemical Society* 21, no. 6 (2000): 570-567.
- 44) , mosafeeri, Ali akbar Sabouri, J Chamani , MR Housaindokht , and Ali Akbar Moosavi-Movahedi. "Three binding sets analysis of  $\alpha$ -lactalbumin with interaction of trimethyl trimethylammonium boromide." *Bulletin of the Korean Chemical Society* 22, no. --- (2000): 148-145.
- 45) Sabouri, Ali akbar. "A simple method for isothermal titration calorimetric data analysis." *A simple method for isothermal titration calorimetric data analysis -*, no. 22 (2000): 208-204.
- 46) , JG Ataie, Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, G H Hakimelahi , J Ru Hwu , and SC Tsay . "The enthalpy and enzyme activity of modeified histidine residue of adenosine deaminase and diethyl pyrocarbonate complexes." *International Journal of Biological Macromolecules* 27, no. 1 (2000): 33-29.
- 47) , Z Moosavi-Movahedi, S SAFARIAN , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Free energy and the position of dissociated protons for acidic conformational states of cytochrom c by titrimetry." *Biophysical Journal* 78, no. 1 (2000): -.
- 48) Sabouri, Ali akbar, and F Karbassi . "Thermodynamic studies on the interaction of calcium with alpha - amylasee." *Thermochimica Acta* 362, no. 1-2 (2000): 129-121.
- 49) , MU Dahot, Ali akbar Sabouri, S Ghobadi , and Ali Akbar Moosavi-Movahedi. "Properties of alpha amylase from *Moringa Oleifera* Seeds." *OnLine Journal of Biological Sciences* 1, no. 8 (2001): 749-747.
- 50) , MU Dahot, Ali akbar Sabouri, S Ghobadi , and Ali Akbar Moosavi-Movahedi. "properties of the alpha - amylase from *Moringa oleifera* seeds." *JOURNAL OF BIOLOGICAL SCIENCES* 1, no. 8 (2001): 747-749.
- 51) Moosavi-Movahedi, Ali Akbar, Ali akbar Sabouri, N sarri sarraf , and Saeidian shand . "A new calorimetric data analysis to study binding of copper ion by myelin basic protein." *Biophysical Journal* 80, no. 1 (2001): -.
- 52) Sabouri, Ali akbar, S SAEIDIAN , M H Sanati , Ali Akbar Moosavi-Movahedi, and ALASTI F . "Thermodynamic studies of myelin basic protein upon interaction with zinc." *JOURNAL OF THE CHINESE CHEMICAL SOCIETY* 48, no. 4 (2001): 831-827.
- 53) , S Saeidian, Ali akbar Sabouri, H Sanati , and Ali Akbar Moosavi-Movahedi. "Thermodynamics of binding zinc ion on myelin basic protein." *Biophysical Journal* 80, no. 1 (2001): -.
- 54) Sabouri, Ali akbar, S Saeidian , H Sanati , , and F Alasti . "Thermodynamic studies of myelin basic protein upon interaction with zinc." *JOURNAL OF THE CHINESE CHEMICAL SOCIETY -*, no. 48 (2001): 831-827.
- 55) , A Mahmoudi, K Nazari , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Enthalpy analysis of horseradish peroxidase in the presence of Ni : A stabilization study." *Thermochimica Acta* 385, no. --- (2002): 33-39.

- 56) , M rezaei tavrani, Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, GH hakimelahi , B ranjbar , and MR housaindokht . " The thermodynamic domains analysis of fresh and incubated human aportransferin." *Thermochimica Acta* -, no. 383 (2002): 103-108.
- 57) Sabouri, Ali akbar, N Sarri Sarraf , and S Saidian . "Thermodynamics of binding copper ion by human growth hormone." *Thermochimica Acta* 381, no. 2 (2002): 147-151.
- 58) , A Mahmoudi, K Nazari , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Enthalpy analysis of horseradish peroxidase in the presence of Ni<sup>2+</sup> : A stabilization study." *Thermochimica Acta* -, no. --- (2002): 39-33.
- 59) , Arabzadeh A, Bathaie SZ , Farsam H , Amanlou M , Ali akbar Sabouri, Shockravi A , and Ali Akbar Moosavi-Movahedi. "Studies on mechanism of 8 Methoxy-psoralen - DNA interaction in the dark." *International Journal of Pharmaceutics* 237, no. 1-2 (2002): 55-47.
- 60) Sabouri, Ali akbar, Adeleh Divsalar , Ghasem Ataie Jafari , Ali Akbar Moosavi-Movahedi, Mohammad Reza Housaindokht , and Gholam Hosain Hakimelahi . "Product inhibition study on adenosine deaminase by spectroscopy and Calorimetry." *JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY* 35, no. 3 (2002): 302-305.
- 61) Sabouri, Ali akbar, A Divsalar , GA Jafari , Ali Akbar Moosavi-Movahedi, MR Housaindokht , and GH Hakimelahi . "A product inhibition study on adenosine deaminase by spectroscopy and calorimetry." *JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY* 35, no. 3 (2002): 302-305.
- 62) , NS Sarraf , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Product inhibition study on carbonic anhydrase using spectroscopy and calorimetry." *Journal of Enzyme Inhibition and Medicinal Chemistry* 17, no. 3 (2002): 206-203.
- 63) Sabouri, Ali akbar. "Stability, activity and binding properties study of - amylase upon interaction with Ca<sup>2+</sup> and Co<sup>2+</sup>." *Biologia* 57, no. 11 (2002): 228-221.
- 64) , GH Hakimelahi, KS Shia , M Pasdar , S Hakimelahi , A khalafi nejad , MN Soltani , NW Mei , HC Mei , Ali akbar Sabouri, M Rezaei Tavrani , and Ali Akbar Moosavi-Movahedi. "Design, synthesis, and biological evaluation of a Cephalosporin - Monohydroguaiaretic acid prodrug activated by monoclonal antibody - B - lactamase conjugate." *Bioorganic and Medicinal Chemistry* 10, no. 9 (2002): 2927-2932.
- 65) , GH Hakimelahi , M Pasdar , S Hakimelahi , A Khalafi Nejad , MN Soltani , N W Mei , H C Mei , Ali akbar Sabouri, M Rezaei Tavrani , and Ali Akbar Moosavi-Movahedi. "Design, synthesis, and biological evaluation of a cephalosporin - monohydroguaiaretic acid prodrug activated by a monoclonal antibody - lactamase conjugate." *Bioorganic and Medicinal Chemistry* 9, no. 10 (2002): 2927-2932.
- 66) , D Ajloo, Ali Akbar Moosavi-Movahedi, GH Hakimelahi , Ali akbar Sabouri, and H Gharibi . "The effect of dodecyl trimethylammonium bromide on the formation of methemoglobins and hemichrome." *COLLOIDS AND SURFACES B-BIOINTERFACES* 26, no. 3 (2002): 196-185.
- 67) , G H Hakimelahi, K S Shia , G Xue , S Hakimelahi , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, A Khalafi Nezhad , MN Soltani Rad , V Osyetov , KP Wang , JH Liao , and FT Luo . "Design, synthesis and biological evaluation of a Series of B - lactam - based prodrugs." *Bioorganic and Medicinal Chemistry* 10, no. 11 (2002): 3489-3498.
- 68) Sabouri, Ali akbar, A Divsalar , G Ataie , M Amanlou , Ali Akbar Moosavi-Movahedi, and GH Hakimelahi . "Inhibition study of adenosine deaminase by caffeine using spectroscopy and isothermal titration calorimetry." *Acta Biochimica Polonica* 50, no. 3 (2003): 849-855.
- 69) Sabouri, Ali akbar. "New methods for data analysis of isothermal titration calorimetry." *Journal of Thermal Analysis and Calorimetry* 72, no. 1 (2003): 103 - 93.
- 70) , S Z Bathaie, Ali Akbar Moosavi-Movahedi, B Ranjbar , and Ali akbar Sabouri. "The mechanistic study of the histone H1 - DNA complex dissociation by sodium n - dodecyl sulphate." *COLLOIDS AND SURFACES B-BIOINTERFACES* 28, no. --- (2003): 25-17.
- 71) Sabouri, Ali akbar. "A survey on science production in 2003." *Rahyaft (Science Policy Quarterly)* -, no. 31 (2003): 23-21.

72) , M Gharanfoli, Ali Akbar Moosavi-Movahedi, Shahrokh Safariyan , J Chamani , and Ali akbar Sabouri. "Calorimetric evidence for conformational transitions of RNase A in the presence of 2',3' - cyclic phosphates." *Thermochimica Acta* 411, no. --- (2003): 37-42.

73) Sabouri, Ali akbar. "Application of journal impact factor in ISI journals ranking." *Journal of Group Theory* 30, no. --- (2003): 78-72.

74) , Mansoori Torshizi H , Islami Moghaddam M , and Ali akbar Sabouri. "A microcalorimetry and spectroscopy study on the interaction of BSA with 2,2' - bipyridine octylglycinato palladium ( II ) nitrate." *Sheng Wu Hua Xue Yu Sheng Wu Wu Li Xue Bao (Shanghai)* 35, no. 10 (2003): 890-886.

75) , F Karbassi, K Haghbeen , Ali akbar Sabouri, B Ranjbar , and Ali Akbar Moosavi-Movahedi. "Activity, structural and stability changes of mushroom tyrosinase by sodium dodecyl sulfate." *COLLOIDS AND SURFACES B-BIOINTERFACES* 32, no. 2 (2003): 137-143.

76) Sabouri, Ali akbar, B Ranjbar , F Hosseini Kishani , Kishani , M Rezaei , and M Rezaei Tawirani . "Thermodynamic studies on the interaction of nickel with human serum albumin." *Progress in Biochemistry and Biophysics* 30, no. 5 (2003): 737-732.

77) Sabouri, Ali akbar. "Application of a new method for data analysis of isothermal titration calorimetry in the interaction between human serum albumin and Ni<sup>2+</sup>." *Journal of Chemical Thermodynamics* 35, no. 12 (2003): 1975-1981.

78) , N Sarraf, Ali akbar Sabouri, B Ranjbar , and Ali Akbar Moosavi-Movahedi. "The structural and functional changes of bovine carbonic anhydrase as a consequence as a consequence of temperature." *Acta Biochimica Polonica* 51, no. 3 (2004): 665-671.

79) Sabouri, Ali akbar. "Binding isotherm determination by isothermal titration calorimetry." *Journal of Thermal Analysis and Calorimetry* 77, no. 3 (2004): 997-1004.

80) , NS Sarraf , Ali akbar Sabouri, B Ranjbar , and Ali Akbar Moosavi-Movahedi. "Structural and Functional changes of Bouine Carbonic anhydrase as a consequence of temperature." *Acta Biochimica Polonica* 51, no. 3 (2004): 671-665.

81) , C O Aboluwoye, Z Moosavi-Movahedi , J Chamani , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, M Gharanfoli , M Zahedi , S Safarian , and A Marashi . "Effect of bilirubin on the sulphhydryl reactivity of cys 34 sulphhydryl group of human serum albumin." *International J. of Chemistry* 14, no. 1 (2004): 25-30.

82) Moosavi-Movahedi, Ali Akbar, A R Golchin , K Nazari , J Chamani , Ali akbar Sabouri, S Z Bathaie , and S Tangestani Nejad . "Microcalorimetry , energetic and binding studies of DNA- dimethyltin dichloride complexes." *Thermochimica Acta* 414, no. 2 (2004): 233-241.

83) Moosavi-Movahedi, Ali Akbar, A R Golchin , K Nazari , J Chamani , Ali akbar Sabouri, S Z Bathaie , and S Tangestani Nejad . "Microcalorimetry , energetic and binding studies of DNA - dimethyltin dichloride complexes." *Thermochimica Acta* 414, no. 2 (2004): 233-241.

84) , S Shareefi Borojerdi, K Haghbeen , A Asghar Karkhane , M Fazli , and Ali akbar Sabouri. "Successful Raman resonance study of cresolase activity of mushroom tyrosinase." *Biochemical and Biophysical Research Communications* 314, no. 4 (2004): 930-925.

85) , MU Dahot , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Inhibition of  $\alpha$  - amylase activity by calcium, magnesium and zinc determined by spectrophotometry and isothermal titration calorimetry." *Journal of Enzyme Inhibition and Medicinal Chemistry* 19, no. 2 (2004): 160-157.

86) Sabouri, Ali akbar, N S SARRAF , and MU DAHOT . "Effect of spontaneous hydrolysis of p - nitrophenylacetate in aqueous solutions on kinetic characteristics of carbonic anhydrase." *Journal of Chemical Society of Pakistan* 26, no. 1 (2004): 72-69.

and Medicinal Chemistry -, no. 19 (2004): 160-157 - کز Inhibition of" . موسوی Ali akbar Sabouri, and داهوت, (87 magnesium and zinc determined by spectrophotometry and isothermal titration calorimetry." *Journal of Enzyme Inhibition .amylase activity by calcium,*

88) , B Farzami, B ranjbar , F Karbassi , K Haghbeen , and Ali akbar Sabouri. "Stability , structural and suicide inactivation changes of mushroom tyrosinase after acetylation by N - acetylimidazole." International Journal of Biological Macromolecules 34, no. 4 (2004): 257-262.

89) Sabouri, Ali akbar, F Karbassi , K Haghbeen , B Ranjbar , Ali Akbar Moosavi-Movahedi, and B Farzami . "Stability, structural and suicide inactivation changes of mushroom tyrosinase after acetylation by N - acetylimidazole." International Journal of Biological Macromolecules 34, no. 4 (2004): 257-262.

90) , F Karbassi , Ali akbar Sabouri, MT Khan , Choudhary , and ZS Saifi . "Mushroom tyrosinase inhibition by two potent uncompetitive inhibitors." Journal of Enzyme Inhibition and Medicinal Chemistry 19, no. 4 (2004): 353-349.

91) Sabouri, Ali akbar. "Ranking of Science in USA." Rahyaft (Science Policy Quarterly) 33, no. --- (2004): 58-49.

92) Sabouri, Ali akbar, S Bagheri , G Ataie , M Amanlou , Ali Akbar Moosavi-Movahedi, GH Hakimelahi , G Cristalli , and S Namaki . "Binding properties of adensione interacted with theophylline." Chemical and Pharmaceutical Bulletin 52, no. 10 (2004): 1179-1182.

93) Sabouri, Ali akbar, Soghra Bagheri , Ghasem Ataie , Masoud Amanlou , Moosavi Movahedi AA , Gholam Hossein Hakimelahi , Gloria Cristalli , and Saeid Namaki . "Binding properties of adenosine deaminase interacted with theophylline." Chemical and Pharmaceutical Bulletin 52, no. 10 (2004): 1179-1182.

94) , K Haghbeen, Ali akbar Sabouri, and F Karbassi . "Substrate share in the suicide inactivation of mushroom tyrosinase." BIOCHIMICA ET BIOPHYSICA ACTA GENERAL SUBJECTS 1675, no. 1-3 (2004): 146-139.

95) Sabouri, Ali akbar. "Concomitant calorimetric, spectrophotometric and circular dichroism studies on the impact of sodium dodecyl sulfate on the mushroom tyrosinase structure." Biologia -, no. 59 (2004): 326-319.

96) Moosavi-Movahedi, Ali Akbar, A R Golchin , K H Nazari , J Chamani , and Ali akbar Sabouri. "Conformational study of DNA upon interaction with dimethyltin dichloride." Biophysical Journal 86, no. 1 (2004): -.

97) , R Fatahi, Z Zamani , A Ebadi , S A Mehlenbacher , Gheibi N , Ali akbar Sabouri, Mansuri Torshizi H , Haghbeen K , and Ali Akbar Moosavi-Movahedi. "The inhibition effect of some n - alkyl dithiocarbamates on Mushroom tyrosinase." Journal of Enzyme Inhibition and Medicinal Chemistry 20, no. 4 (2005): 399-393.

98) , Kk Nazari , A R Golchin , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, G H Hakimelahi , A Shockravi , and S Tangestani nejadg . "Microcalorimetry and binding studies of DNA upon interaction with [pyridine dinamine] 2[Co ( phenanthroline dicarboxylate ) 2]." Thermochemica Acta 428, no. 1,2 (2005): 157-163.

99) , N S Sarraf, S Mamaghani Rad , F Karbassi , and Ali akbar Sabouri. "Thermodynamic studies on the interaction of copper ions with carbonic anhydrase." Bulletin of the Korean Chemical Society 26, no. 7 (2005): 1056-1051.

100) , mojtaba Amani , Ali Akbar Moosavi-Movahedi, G Floris , S Longu , Moosavi Nejad SZ , Ali akbar Sabouri, and fezian Ahmad . "Comparative study of the conformational lock, dissociative thermal inactivation and stability of Euphorbia latex and lentil seedling amine oxidases." PROTEIN JOURNAL 24, no. 3 (2005): 183-191 .

101) , Gholam Hossein Hakimelahia, Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, Valeriy Osetrov , Ghadam Ali Khodarahmi , and Kak Shan Shiad . "Carbapenem - based prodrugs . Design, synthesis, and biological evaluation of carbapenems." EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY 40, no. 4 (2005): 339-349.

study on the inhibition of adenosine deaminase by theobromine." Asian Journal of Chemistry 17, no. 1 (2005): -.

102) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, and س مردانیان . "kinetic and thermodynamic

and activity of carbonic anhydrase." Asian Journal of Chemistry 17, no. 4 (2005): 2394-2385 , نغمه ساری صراف, (103) .Ali akbar Sabouri, and Mohsen Nemat Gorgani. "The effect of some amino acids on the structure

104) , Mojtaba Amani , M Zeinali , A Kariminia , Ali akbar Sabouri, Sosan Kabodanian Ardestani, and Reza Yousefi . " Investigation on the surface hydrophobicity and aggregation kinetics of human calprotectin in the presence of calcium." JOURNAL OF STEROID BIOCHEMISTRY AND MOLECULAR BIOLOGY 38, no. 4 (2005): 413-407.

105) Sabouri, Ali akbar, and D U Dahot . "Thermodynamics of binding magnesium ion on Alpha Amylase." Indian Journal of Biochemistry and Biophysics -, no. 42 (2005): 329-326.

- 106) Sabouri, Ali akbar, M S Atri, M H Sanati, Ali Akbar Moosavi-Movahedi, and K Haghbeen. "Effects of calcium binding on the structure and stability of human growth hormone." *International Journal of Biological Macromolecules* 36, no. 5 (2005): 305-309.
- 107) , N Gheibi, Ali akbar Sabouri, K Haghbeen, and Ali Akbar Moosavi-Movahedi. "Activity and structural changes of mushroom tyrosinase induced by n - alkyl sulfates." *COLLOIDS AND SURFACES B-BIOINTERFACES* 45, no. 2 (2005): 104-107.
- of novel caebapenms." *International Journal of Scientific Research* -, no. 14 (2005): 70-59, (108 غلامحسين حكيمالهي, Ali akbar Sabouri, and K-S Shia. "Design, synthesis and biological evaluation
- 109) , M S Atri, Ali akbar Sabouri, M Rezaei Tavirani, M H Sanati, Ali Akbar Moosavi-Movahedi, M Sadeghi, H Mansuri Torshizi, and M Khodabandeh. "Binding properties and conformational change of human growth hormone upon interaction with Fe<sup>3+</sup>." *Thermochimica Acta* 438, no. 1-2 (2005): 178-183.
- 110) , G Rezaei Behbehani, E Tazikeh, and Ali akbar Sabouri. "Using the new developed equation to reproduce the enthalpies of transfer of urea from water to aqueous ethanol, propan - 1 - ol and acetonitrile at 298 K." *Bulletin of the Korean Chemical Society* 27, no. 2 (2006): 211-208.
- 111) , Gholam Reza Behbehani, Elham Tazikeh, and Ali akbar Sabouri. "Using the the Extension Coordination Model ( ECM ) to reproduce the enthalpies of transfer of tetraethylurea from water to aqueous ethanol, propan - 1 - ol and acetonitrile at 298 K." *Acta Chimica Slovenica* 1, no. 53 (2006): 366-363.
- 112) Sabouri, Ali akbar, M S Atri, M H Sanati, M Sadeghi, and Behrouz Shahsavan Behboodi. "Application of a simple calorimetric data analysis on the binding study of calcium ions by human growth hormone." *Journal of Thermal Analysis and Calorimetry* 83, no. --- (2006): 175-179.
- 113) , N GHEIBI, Ali akbar Sabouri, and K HAGHBEEN. "Substrate construes the copper and nickel ions impacts on the mushroom tyrosinase activities." *Bulletin of the Korean Chemical Society* 27, no. 5 (2006): 648-642.
- 114) , Divsalar A, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Conformational and structural analysis of bovine beta lactoglobulin-A upon interaction with Cr<sup>+3</sup>." *PROTEIN JOURNAL* -, no. 25(2) (2006): 165-157.
- 115) Moosavi-Movahedi, Ali Akbar, and Ali akbar Sabouri. "The correlation of RNase A enzymatic activity with the changes in the distance between N2 - His12 and N1 - His119 upon addition of stabilizing and destabilizing salts." *PROTEIN JOURNAL* 2, no. 25 (2006): -.
- 116) Sabouri, Ali akbar, M S Atri, M H Sanati, Ali Akbar Moosavi-Movahedi, G H Hakimelahi, and M Sadeghi. "A thermodynamic study on the interaction between magnesium ion and human growth hormone." *BIOPOLYMERS* 81, no. 2 (2006): 120-126.
- 117) , H Tavakoli, Hedayatollah Ghourchian, Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Histidin and serine roles in catalytic activity of choline oxidase form *alcaligenes* species studied by chemical modifications." *PROCESS BIOCHEMISTRY* 41, no. 2 (2006): 482-477.
- 118) Sabouri, Ali akbar. "A review on the ligand binding studies by isothermal titration calorimetry." *Journal of the Iranian Chemical Society* 3, no. 1 (2006): 1-21.
- 119) Moosavi-Movahedi, Ali Akbar, C F Yen, Chi Feng, Jamshid Chamani, Khodarahmi, A Ghadam, Ali akbar Sabouri, and Hakimelahi. "Design, Synthesis, and Antibacterial Activity of Novel Carbacephems." *Letters in Drug Design and Discovery* 3, no. 2 (2006): 91-97.
- 120) , Moosavi Movahedi Z, Shahrokh Safariyan, M Zahedi, M Sadeghi, Ali akbar Sabouri, J Chamani, H Bahrami, A Ashraf Modarres, and Ali Akbar Moosavi-Movahedi. "Calorimetric and Binding Dissections of HSA Upon Interaction with Bilirubin." *PROTEIN JOURNAL* 25, no. 3 (2006): 193-201.
- 121) , S REZAEI-ZARCHI, Ali akbar Sabouri, Hedayatollah Ghourchian, N Nouroozi, , Mohammadreza Ganjali, and A Javed. "Electrochemical investigation on the ligand binding by hemoglobin." *FEBS Journal* 273, no. --- (2006): 353-353.



- n - hexyl dithiocarbamate Pd ( II ) nitrate )." Bulletin of the Korean Chemical Society -, no. 27 (2006): 1808-1801.  
analysis of the interaction between - lactoglobulin type A and B with a new anticancer compound ( 2,2' - bipyridin  
122) Sabouri, Ali akbar, اديوسالار , H Mansoori-Torshizi , and B Hemmatinejad . "Comparative and structural
- 123) Sabouri, Ali akbar, and M S Atri . "Metal ions binding study on human growth hormone by isothermal titration  
calorimetry." Journal of Physical and Theoretical Chemistry -, no. 2 (2006): 182-169.
- 124) , N Gheibi, Ali akbar Sabouri, K Haghbeen , and Ali Akbar Moosavi-Movahedi. "The effect of some osmolytes on the  
activity and stability of mushroom tyrosinase." Journal of Biosciences 31, no. 3 (2006): 362-355.
- 125) , P Pirzadeh, Ali Akbar Moosavi-Movahedi, B Hemmateenejad , F Ahmad , M Shamsipur , and Ali akbar Sabouri. "  
Chemometric study of lysozyme upon interaction with sodium dodecyl sulfate and beta - cyclodextrin." COLLOIDS AND  
SURFACES B-BIOINTERFACES 52, no. 1 (2006): 31-38.
- 126) Sabouri, Ali akbar, Samaneh Zolghadri Jahromi , Kamal Haghbeen , and Ali Akbar Moosavi-Movahedi. "The inhibitory  
effect of benzenethiol on the cresolase and catecholase activities of mushroom tyrosinase." Journal of Enzyme Inhibition  
and Medicinal Chemistry 21, no. 6 (2006): 717-711.
- 127) , S Hashemnia, Ali Akbar Moosavi-Movahedi, Hedayatollah Ghourchian, F Ahmad , G H Hakimelahi , and Ali akbar  
Sabouri. "Diminishing of aggregation for bovine liver catalase through acidic residues modification." International Journal  
of Biological Macromolecules 40, no. 1 (2006): 53-47.
- 128) , S RezaeiZarchi , Ali akbar Sabouri, J Hong , Hedayatollah Ghourchian, Parviz Nourouzi, Ali Akbar  
Moosavi-Movahedi, Mohammadreza Ganjali, and A Javed . "A new method of hemoglobin concentration determination  
using a bromine - modified silver electrode." BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY -, no. 47 (2007): 158-153.
- 129) , AJLOO D, BEHNAM H , Ali akbar Sabouri, MOHAMADI ZONOZ F , RANJBAR B , Ali Akbar Moosavi-Movahedi,  
HASANI Z , ALIZADEH K , GHARANFOLI M , and AMANI M . "Thermodynamic and structural studies on the human serum  
albumin in the presence of a polyoxometalate." Bulletin of the Korean Chemical Society 28, no. 5 (2007): 736-730.
- 130) , S RezaeiZarchi , Ali akbar Sabouri, J Hong , Hedayatollah Ghourchian, Parviz Nourouzi, Ali Akbar  
Moosavi-Movahedi, gholamreza Ganjali , and aisha Javed . "A new method for determination of haemoglobin  
concentration by using bromide - modified silver electrode." BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY -, no. 47  
(2007): 158-153.
- 131) , S Rezaei Zarchi , Ali akbar Sabouri, J HONG , Parviz Nourouzi, A B Moghaddam , Hedayatollah Ghourchian,  
Mohammadreza Ganjali, Ali Akbar Moosavi-Movahedi, A Javed , and A Mohammadian . "Electrochemical behavior of Redox  
Proteins Immobilized on Nafion - Riboflavin Modified Gold lectrode." Bulletin of the Korean Chemical Society 28, no. 12  
(2007): 2266-2270 .
- 132) , S Rezaei Zarchi , Ali akbar Sabouri, J Hong , Parviz Nourouzi, A B Moghaddam , Hedayatollah Ghourchian,  
Mohammadreza Ganjali, Ali Akbar Moosavi-Movahedi, A Javed , and A Mohammadian . "Electrochemical behavior of redox  
proteins immobilized on riboflavin - nafion film modified gold electrode." Bulletin of the Korean Chemical Society -, no. 28  
(2007): 2270-2266.
- 133) , G Rezaei Behbehani, and Ali akbar Sabouri. "Using a new solvation model for thermodynamic study on the  
interaction of nickel with human growth hormone." Thermochemica Acta 452, no. 1 (2007): 79-76.
- 134) , A Zolghadri, and Ali akbar Sabouri. "Two different behaviors of mushroom tyrosinase on the impact of different  
concentrations of thiophenol in acidic mediu." Asian Journal of Chemistry 19, no. --- (2007): 5595-5587.
- 135) , Jun Hong, Hedayatollah Ghourchian, Saeed Rezaei□Zarchi , Ali Akbar Moosavi-Movahedi, Shahin Ahmadian , and  
Ali akbar Sabouri. "Nafion - metyhylene blue functional memberane and its application in chemical / biosensing."  
ANALYTICAL LETTERS -, no. --- (2007): 483-496.
- 136) , Abolfazl Barzegar, Ali Akbar Moosavi-Movahedi, Sattarahmady N , MA Hosseinpour Faizi , Mohammad Aminbakhsh ,  
F Ahmad , Ali akbar Sabouri, and Parviz Nourouzi. "Spectroscopic studies of the effects of glycation of human serum  
albumin on L - Trp binding." Protein and Peptide Letters 14, no. 1 (2007): 8-13.

- 137) , Saeed Rezaei Zarchi , Ali akbar Sabouri, Parviz Nourouzi, Jun Hong , Abolfazl Barzegar , Mohammadreza Ganjali, Hedayatollah Ghourchian, Ali Akbar Moosavi-Movahedi, Aisha Javed , and Abbas Ali Rostami . "Electrochemical recognition of metalloproteins by bromide - modified silver electrode - A new method." INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES 8, no. 7 (2007): 725-723.
- 138) , M Alijanianzadeh, and Ali akbar Sabouri. "Temperature dependence of activation and inhibition of mushroom tyrosinase by ethyl xanthate." Bulletin of the Korean Chemical Society 28, no. 5 (2007): 362-358.
- 139) , AB Moghaddam , Mohammadreza Ganjali, R Dinarvand , Parviz Nourouzi, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Electrochemical behavior of caffeic acid at single - walled carbon nanotube : graphite - based electrode." BIOPHYSICAL CHEMISTRY 128, no. 1 (2007): 30-37.
- 140) , M Amani, Ali Akbar Moosavi-Movahedi, G Floris , A Mura , BI Kurganov , F ahmad , and Ali akbar Sabouri. "Two - state irreversible thermal denaturation of Euphorbia characias latex amine oxidase." BIOPHYSICAL CHEMISTRY 125, no. 3 (2007): 259-254.
- 141) , S Rezaei Zarchi , Ali akbar Sabouri, Hedayatollah Ghourchian, J Hong , A Barzegar , Parviz Nourouzi, Ali Akbar Moosavi-Movahedi, Mohammadreza Ganjali, and A Javed . "Electrochemical Investigation of the Effect of Some Organic Phosphates on Hemoglobin." Journal of Biosciences 32, no. 2 (2007): 278-271.
- 142) Moosavi-Movahedi, Ali Akbar, Shahrokh Safarian , GH Hakimelahi , G Ataei , D Ajloo , S Panjehpour , Shahrokh Safariyan , MF Mousavi , S Mardanyan , N Soltani , A S Khalafi Nezhad , H Sharghi , H Moghadamnia , and Ali akbar Sabouri. "QSAR and activity predicting models for competitive inhibitors of adenosine deaminase." FEBS Letters 581, no. 3 (2007): 514-506.
- 143) , M Ghaderi , SZ Bathaie , Ali akbar Sabouri, H Sharghi , and S Tangestani Nejad . "Interaction of an Fe derivative of TMAP ( Fe ( TMAP ) OAc ) with DNA in comparison with Free - base TMAP." International Journal of Biological Macromolecules 41, no. 2 (2007): 179-173.
- 144) , A Bayandori Moghaddam, Mohammadreza Ganjali , R Dinarvand , Ali akbar Sabouri, T Razavi , Ali Akbar Moosavi-Movahedi, and Parviz Nourouzi. "Fundamental studies of the cytochrome c immobilization by the potential cycling method on nanometer - scale nickel oxide surfaces." BIOPHYSICAL CHEMISTRY 129, no. 2-3 (2007): 268-259.
- 145) , Shohreh Nafisi, Ali akbar Sabouri, Nahid Keramat , Jean Francois Neault , and Heidar Ali Tajmir Riahi . "Stability and structural features of DNA intercalation with ethidium bromide, acridine orange, methylene blue." Journal of Molecular Structure 827, no. 1-3 (2007): 43-35.
- 146) , H Mansoori, Torshizi , R Yousefi , Ali akbar Sabouri, A DivSallar , and Ali Akbar Moosavi-Movahedi. "Spectroscopic and cytotoxic studies of novel designed palladium complexes : beta - lactoglobulin and K56 as the targets." International Journal of Biological Macromolecules 40, no. 4 (2007): 386-381.
- 147) Nourouzi, Parviz, Mohammadreza Ganjali, Daneshgar P , Dinarvand R , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Development of fast Fourier transform continuous cyclic voltammetry at Au microelectrode in flowing solutions as a novel method for sub-nanomolar monitoring of lidocaine in injection and biological fluids." Analytical Biochemistry 590, no. 1 (2007): 80-74.
- 148) Sabouri, Ali akbar, M Alijanianzadeh , and Hasan Mansoori Torshizi . "The role of alkyl chain length in the inhibitory effect n - alkyl xanthates on mushroom tyrosinase activities." Acta Biochimica Polonica 54, no. 1 (2007): 192-183.
- 149) , M Alijanianzadeh, Ali akbar Sabouri, H Mansuri Torshizi , K Haghbeen , and Ali Akbar Moosavi-Movahedi. "The inhibitory effect of some new synthesized xanthates on mushroom tyrosinase activities." Journal of Enzyme Inhibition and Medicinal Chemistry 22, no. 2 (2007): 246-239.
- 150) , Naghmeh Sattarahmady, Ali Akbar Moosavi-Movahedi, Ahmad Faizan , Gholam H Hakimelahi , Mehran Habibi-Rezaei, Ali akbar Sabouri, and Nader Sheibani . "Formation of the Molten Globule-Like State during Prolonged Glycation of Human Serum Albumin." BIOCHIMICA ET BIOPHYSICA ACTA GENERAL SUBJECTS 1770, no. 6 (2007): 942-933.

- 151) Moosavi-Movahedi, Ali Akbar, Ali akbar Sabouri, D Ajloo , G Ataie Jafari , K Mahnam , Mohammadreza Ahmadi, N Haghi Asli , and S Namaki . "Kinetic, thermodynamic and statistical studies on the inhibition of adenosine deaminase by aspirin and diclofenac." *Journal of Enzyme Inhibition and Medicinal Chemistry* -, no. 22 (2007): 406-395.
- 152) Moosavi-Movahedi, Ali Akbar, M Amani , SZ Moosavi Nejad , S Hashemnia , G Ahmad F Floris , A Mura , M Rezaei Tavirani , GH Hakimelahi , Ali akbar Sabouri, and R Yousefi . "Thermal dissection of Lentil seeding amine oxidase domains by differential scanning calorimetry." *BIOSCIENCE BIOTECHNOLOGY AND BIOCHEMISTRY* 71, no. 7 (2007): 1149-1144.
- 153) Sabouri, Ali akbar, H Ghourchaei , M H Sanati , M S Atri , M Rezaei Tawirani , and G H Hakimelahi . "Binding properties and structural changes of human growth hormone upon interaction with cobalt ion." *Journal of Thermal Analysis and Calorimetry* 89, no. 3 (2007): 921-927.
- 154) , G Rezaei Behbehani, and Ali akbar Sabouri. "A thermodynamic study on the binding of magnesium with human growth hormone." *Journal of Thermal Analysis and Calorimetry* 89, no. 3 (2007): 857-861 .
- 155) , Saeed Rezaei Zarchi, Ali akbar Sabouri, Parviz Nourouzi, Jun Hong , Shahin Ahmadiyan, Mohammadreza Ganjali, Ali Akbar Moosavi-Movahedi, Abdolmajid Bayandori Moghaddam , and Aisha Javed . "Use of silver nanoparticles as an electron transfer facilitator in electrochemical ligand - binding of haemoglobin." *Journal of Applied Electrochemistry* 37, no. 9 (2007): 1021-1026.
- 156) , G Rezaei Behbehani, Ali akbar Sabouri, and A Fallah Bagheri . "A Thermodynamic Study on the Binding of Calcium Ion with Myelin Basic Protein." *JOURNAL OF SOLUTION CHEMISTRY* 36, no. 10 (2007): 1311-1320.
- 157) , Pouneh Pourhosseini, Ali akbar Sabouri, Farhood Najafi , and Mohammad Nabi Sar Boulouki. "Interaction of insulin with a triblock copolymer of PEG-(fumaric-sebacic acids)-PEG: Thermodynamic and spectroscopic studies." *BIOCHIMICA ET BIOPHYSICA ACTA PROTEINS AND PROTEOMICS* 1774, no. 10 (2007): 1274-1280.
- 158) , reza Yousefi , Mehdi Imani , Sosan Kabodanian Ardestani, Ali akbar Sabouri, nematollah Gheibi , and bijan Ranjbar . "Human Calprotectin : Effect of calcium and Zinc on its Secondary and Tertiary Structures, and role of PH in its Thermal Stability." *Acta Biochimica et Biophysica Sinica* 39, no. 10 (2007): 795-802.
- 159) Moosavi-Movahedi, Ali Akbar, P Pirzadeh , S Hashemnia , S Ahmadian , B Hemmateenejad , M Amani , Ali akbar Sabouri, F Ahmad , M Shamsipur , G H Hakimelahi , Fu Yuan Tsai , H Hadi Alijanvand , and R Yousefi . "Fibril formation of lysozyme upon interaction with sodium dodecyl sulfate at pH 9.2." *COLLOIDS AND SURFACES B-BIOINTERFACES* 60, no. 1 (2007): 61-55.
- 160) Moosavi-Movahedi, Ali Akbar, H Mansoori Torshizi , R Yousefi , Ali akbar Sabouri, and a divsalar . "Cytotoxic and apoptotic effects of the novel synthesized palladium (II) complexes: K562 as the target." *Biophysical Journal* -, no. - (2007): 567A-568A.
- 161) , Abdolmajid Bayandori Moghaddam , Mohammadreza Ganjali, Rassoul Dinarvand , Sara Ahadi , and Ali akbar Sabouri. "Myoglobin immobilization on electrodeposited nanometer - scale nickel oxide particles and direct voltammetry." *BIOPHYSICAL CHEMISTRY* 134, no. --- (2008): 25-33.
- alcohol dehydrogenase aggregation." *International Journal of Biological Macromolecules* 42, no. 4 (2008): 392-399.
- "Chaperone activities of bovine and camel B - caseins Importance of their surface hydrophobicity in protection against Parviz Nourouzi, Mohamad reza Ehsani, Amir niasari, Ali akbar Sabouri, Haertlé T , and Ali Akbar Moosavi-Movahedi. Barzegar , reza Yousefi , ahmad Sharifzadeh , Miche le Dalgalarondo , jean marc Chobert , Mohammadreza Ganjali, 162) , Abolfazl
- 163) , F Valiyev, F Y Tsai , Ali akbar Sabouri, H J Liu , GH Moosavi Movahedi , and G H Hakimelaha . "Design synthesis and antiviral activity of novel phosphoramidates." *Journal of the Iranian Chemical Society* 5, no. 2 (2008): 228-237.
- 164) , A khalafi nejad, Ali akbar Sabouri, F t luo , G H hakimelahi , J H liao , K P wang , K S shia , M pasdar , MN soltani rad , S hakimelahi , and V O syetro . "Design, synthesis and biological evaluation of glutathione peptidomimetics as components of anti-Parkinson prodrugs." *Medicinal Chemistry* 51, no. 15 (2008): 4581-4587.

165) , K Mahnam, Ali Akbar Moosavi-Movahedi, H Bahrami , G Hossein Hakimelahi , G Ataie , S Jalili , Ali akbar Sabouri, F Ahmad , S Safarian , M Amanlou , and B Moshiri . "Efficient factors in protein modification : Adenosine deaminase esterification by Woodward reagent K." Journal of the Iranian Chemical Society 5, no. 3 (2008): 464-475.

166) , Gholam Rezaei BEHBEHANI, A DIVSALAR , Ali akbar Sabouri, Farnoosh FARIDBOD , and Mohammadreza Ganjali. "A High Performance theory for Thermodynamic Study on the Binding of Human Serum Albumin with Erbium Chloride." Chinese Journal of Chemistry 27, no. 2 (2009): 289-294.

$\alpha$ -lactalbumin: Possible significance for use in infant formula." International Dairy Journal 19, no. 9 (2009): 518-523.  
Akbar Moosavi-Movahedi. "Enzymatic digestion and antioxidant activity of the native and molten globule states of camel Jean Marc Chobert , Thomas Haertlé , Ali akbar Sabouri, Maliheh Sadat Atri , Amir Niasari Naslaji , Ahmad Faizan , and Ali 167) , Maryam Salami, Reza Yousefi , Mohammad Reza Ehsani , Seyed hadi Razavi,

168) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Derivation of the Thermodynamic parameters involved in the elucidation of protein thermal profiles." Comparative Biochemistry and Physiology Part B 23, no. 3 (2010): 167-164.

169) Sabouri, Ali akbar, Elahe POORAKBAR , and Gholamreza REZAEI BEHBEHANI . "A calorimetric study of the interaction of silver ion with jack bean urease." Turkish Journal of Chemistry 34, no. 4 (2010): 631-638.

170) , G Rezaei Behbehani, Ali akbar Sabouri, L Barzegar , and O Yousefi . "A Thermodynamic Investigation of Aspirin Interaction with Human Serum Albumin at 298 and 310K." Journal of Thermodynamics & Catalysis 2, no. 1 (2011): -.

171) , G Rezaei Behbehani, Ali akbar Sabouri, and F Sabbaghy . "A calorimetric study on the interaction of zinc and cadmium ions with jack bean urease." Chinese Journal of Chemistry 29, no. 3 (2011): 450-446.

172) , G Rezaei Behbehani, A Divsalar , Ali akbar Sabouri, R Hajian , Z Rezaei , E Yahaghi , and L Barzegar . "A Thermodynamic Study on the Binding of Cobalt ( II ) and Iron ( III ) Ions with Bovine Carbonic Anhydrase II at Different Temperatures." JOURNAL OF SOLUTION CHEMISTRY 39, no. 8 (2012): 1142-1152.

173) Jahadi, M., K.. Khosravi-Darani, M.R. Ehsani, M.R. Mozafari, Ali akbar Sabouri, F.. Seydahmadiani, and Z.. Vafabakhshi. "Evaluating the effects of process variables on protease-loaded nano-liposome production by plackett-burman design for utilizing in cheese ripening acceleration." Asian Journal of Chemistry 24, no. - (2012): 3891-3894.

174) Fallahbagheri, A., Ali akbar Sabouri, L.. Mamani, M.. Taghizadeh, R.. Khodarahmi, S.. Ranjbar, Mousa Bohlooli, A.. Shafiee, Ali Reza Foroumadi , Nader Sheibani , and Ali Akbar Moosavi-Movahedi. "Effects of silica nanoparticle supported ionic liquid on thermal reversibility of human carbonic anhydrase II." International Journal of Biological Macromolecules 51, no. - (2012): 933-938.

175) Derakhshankhah, H., Ali akbar Sabouri, R.. Bazl, H.A. Tajmir-Riahi, M.. Falahati, Davood Ajloo, H.. Mansouri-Torshizi , and Azadeh Hekmat. "Synthesis, nanotoxicity and spectroscopy studies of a new copper (II) complex: Calf thymus DNA and K562 as targets." Journal of the Iranian Chemical Society -, no. 9 (2012): 737-746.

176) Hekmat, Azadeh, Ali akbar Sabouri, and . "Synergistic effect of the combination of doxorubicin with silver nanoparticles on ct DNA structure and T47D cell line proliferation." JOURNAL OF BIOMEDICAL NANOTECHNOLOGY 8, no. - (2012): 968-982.

177) Rezaei-Behbehani, G., , M. K. Kiani-Savadkoobi, M.. Mohebbian, B.. Samak Abedi, Ali akbar Sabouri, and . " Thermodynamic study of human serum albumin upon interaction with Ytterbium (III)." E-Journal of Chemistry 2013, no. - (2013): 1.

178) Bohlooli, Mousa, Ali Akbar Moosavi-Movahedi, Fereshteh Taghavi, Mehran Habibi-Rezaei, Arefeh seyedarabi, Ali akbar Sabouri, and Faizan Ahmad. "Thermodynamics of a molten globule state of human serum albumin by 3- B- hydroxybutyrate as a ketone body." International Journal of Biological Macromolecules 54, no. - (2013): 259-263.

179) , , L.. Barzegar, M.. Mehreshiagh, Ali akbar Sabouri, and . "The effect of n-alkyl xanthates on mushroom tyrosinase activity." JOURNAL OF THE INDIAN CHEMICAL SOCIETY 90, no. - (2013): 470-488.

180) Moradi, S., Davood Ajloo, T., Lashkarbolouki, R., Alizadeh, and Ali akbar Sabouri. "Physicochemical studies on the interaction of gold(III)trichloro phenanthridine complex with calf thymus DNA." *Monatshefte für Chemie* 114, no. - (2013): 1499-1505.

181) Taghavi, F., Ali Akbar Moosavi-Movahedi, Mousa Bohlooli, Hamid Hadi Alijanvand, maryam salami, Parvaneh Maghami, Ali akbar Sabouri, , , Mehran Habibi-Rezaei, and . "Potassium sorbate as an AGE activator for human serum albumin in the presence and absence of glucose." *International Journal of Biological Macromolecules* 62, no. - (2013): 146-154.

182) Ajloo, Davood, M., Sangian, M., Ghadamghahi, M., Evini, and Ali akbar Sabouri. "Effect of two imidazolium derivatives of ionic liquids on the structure and activity of adenosine deaminase." *International Journal of Biological Macromolecules* 57, no. - (2013): 47-61.

183) Rezaei-Behbehani, G., M., Mehreshtiagh, L., Barzegar, and Ali akbar Sabouri. "A calorimetric investigation for the bindings of mushroom tyrosinase to p-phenylene-bis dithiocarbamate and xanthates." *Journal of the Serbian Chemical Society* 278, no. 1 (2013): 255-263.

184) Saeidifar, M., H., Mansouri-Torshizi, , and Ali akbar Sabouri. "Spectroscopic investigation on the binding of the antitumoral Pd (II) complex to human serum albumin." *JOURNAL OF THE CHINESE CHEMICAL SOCIETY* 60, no. 1 (2013): 133-139.

185) Pourhosseini, P.S., Ali akbar Sabouri, F., Najafi, , and Mohammad Nabi Sar Bouloki. "Characterization and release behavior of polymersomes of PEG-(fumaric-sebacic acids)-PEG triblock copolymer in aqueous solution." *Polymer (Korea)* 37, no. 1 (2013): 294-301.

186) Saeidifar, M., H., Mansouri-Torshizi, Y., Palizdar, , and Ali akbar Sabouri. "Synthesis, characterization and cytotoxicity studies of a novel palladium(II) complex and evaluation of DNA-binding aspects." *Nucleosides, Nucleotides and Nucleic Acids* 32, no. - (2013): 366-388.

187) , , Ali akbar Sabouri, , L., Sawyer, , and . "Spectroscopic and calorimetric study of 2,2'-di bipyridin Cu(II) chloride binding to bovine  $\beta$ -lactoglobulin." *JOURNAL OF SOLUTION CHEMISTRY* 42, no. - (2013): 705-715.

188) , , Z., Izadi, Ali akbar Sabouri, M., Nabiuni, M., Razmi, and N., Sheibani. "Cytotoxic and spectroscopic studies on binding of a new synthesized bipyridin ethyl dithiocarbamate Pt(II) nitrate complex to the milk carrier protein of BLG." *Journal of the Iranian Chemical Society* 10, no. - (2013): 951-959.

189) Razmi, M., , Ali akbar Sabouri, Z., Izadi, T., Haertle, and H., Mansouri-Torshizi. "Beta-Casein and its Complexes with Chitosan as Nanovehicles for Delivery of a Platinum Anticancer Drug." *COLLOIDS AND SURFACES B-BIOINTERFACES* 112, no. - (2013): 362-367.

anhydrase II: Salt bridge mechanism." *BIOTECHNOLOGY AND APPLIED BIOCHEMISTRY* 60, no. - (2013): 298-304.  
, A., Shafiee, N., Sheibani, and Ali akbar Sabouri. "Modified  $\beta$ -casein restore the thermal reversibility of human carbonic 190) Fallahbagheri, A., Ali Akbar Moosavi-Movahedi, M., Taghizadeh, R., Khodarahmi, L., Ma'mani, N., Bijari,

191) , , Ali akbar Sabouri, H., Hadi Alijanvand, Mousa Bohlooli, M., Salami, and Ali Akbar Moosavi-Movahedi. "Thermal inactivation and conformational lock studies on horse liver alcohol dehydrogenase: A structural mechanism." *International Journal of Biological Macromolecules* 58, no. 1 (2013): 66-72.

192) Bohlooli, Mousa, Ali Akbar Moosavi-Movahedi, F., Taghavi, P., Maghami, Ali akbar Sabouri, Z., Moosavi-Movahedi, M., Farhadi, J., Hong, N., Sheibani, and Mehran Habibi-Rezaei. "Investigation of thermal reversibility and stability of glycated human serum albumin." *International Journal of Biological Macromolecules* 62, no. - (2013): 358-364.

193) Saeidifar, M., H., Mansouri-Torshizi, , and Ali akbar Sabouri. "Novel 2,2'-bipyridine palladium(II) complexes with glycine derivatives: synthesis, characterization, cytotoxic assays and DNA-binding studies." *Journal of the Iranian Chemical Society* 10, no. - (2013): 1001-1011.

investigation of oxali-palladium Interactions with  $\beta$ -lactoglobulin." *Spectrochimica Acta* 118, no. - (2013): 1038-1046.  
akbar Sabouri, T., Haertle, K., Parivar, R., Bazi, M., Eslami-Moghadam, and M., Amanlou. "Spectroscopic and theoretical 194) Ghalandari, B., , Ali

- 195) Sabouri, Ali akbar. "Evaluation of the quality of knowledge." *Science Cultivation Journal* 3, no. 1 (2013): 33-42.
- 196) Sabouri, Ali akbar. "Iran scientific documents in 2012." *Science Cultivation Journal* 3, no. 1 (2013): 96-103.
- 197) Hosseini, Sayed Mohammad Hashem, Zahra Emam jomeh, Seyed hadi Razavi, Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, M.S. Atri, and Paul Van der Meeren. "B-Lactoglobulin-sodium alginate interaction as affected by polysaccharide depolymerization using high intensity ultrasound." *Food Hydrocolloids* 32, no. 2 (2013): 235-244.
- 198) Bazl, Roya, Mohammadreza Ganjali, Hossein Derakhshankhah, Ali akbar Sabouri, Massoud Amanlou, and Parviz Nourouzi. "Prediction of tyrosinase inhibition for drug design using the genetic algorithm–multiple linear regressions." *MEDICINAL CHEMISTRY RESEARCH* 11, no. 22 (2013): 5453-5465.
- 199) Hosseini, Sayed Mohammad Hashem, Zahra Emam jomeh, Seyed hadi Razavi, Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, , Asghar Farahnaky, , and Paul Van der Meeren. "Complex coacervation of B-lactoglobulin-k-Carrageenan aqueous mixtures as affected by polysaccharide sonication." *Food Chemistry* 141, no. 1 (2013): 215-222.
- 200) Hekmat, Azadeh, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "The effects of mobile phone radiofrequency (940 MHz) on the structure of calf thymus DNA." *ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY* 88, no. - (2014): 35-41.
- 201) Alijanianzadeh, M., and Ali akbar Sabouri. "A survey of scientific publication by the Islamic Azad University from beginning to February 2013." *International Journal of Information Science and Management* 12, no. 1 (2014): 1-10.
- 202) Sabouri, Ali akbar. "Ten years of JICS." *Journal of the Iranian Chemical Society* 11, no. 1 (2014): 1231-1233.
- 203) javid, Ameneh, Shahin Ahmadiyan, Ali akbar Sabouri, S.M. Kalantar, S.. Rezaei-Zarchi, and S.. Shahzad. "Biocompatible APTES–PEG modified magnetite nanoparticles: Effective carriers of antineoplastic agents to ovarian cancer." *APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY* 173, no. 1 (2014): 36-54.
- 204) Salehzadeh-Yazdi, A., Y.. Asgari, Ali akbar Sabouri, and Ali Masoudi nezhad. "Computational analysis of reciprocal association of metabolism and epigenetics in the budding yeast: a genome-scale metabolic model (GSMM) approach." *PLOS ONE* 9, no. 1 (2014): 1-12.
- 205) Pourhosseini, P.S., Ali akbar Sabouri, and . "Effect of block lengths on the association behavior of poly (L-lactic acid)/ poly (ethylene glycol) (PLA-PEG-PLA) micelles in aqueous solution." *Journal of the Iranian Chemical Society* 11, no. - (2014): 467-470.
- characterization, biological activity and interaction with calf thymus DNA." *Complex Metals* 1, no. 1 (2014): 23-31.
- and Ali akbar Sabouri. "Platinum(II)/palladium(II) complexes with n-propyldithiocarbamate and 2,2'-bipyridine: synthesis,
- 206) Mansuri- Torshizi, H., S.. Shahraki, Z.. Sori Nezami, A.. Ghahghaei, S.. Najmedini, A.. Divsalar, H.. Ghaemi,
- 207) javid, Ameneh, Shahin Ahmadiyan, Ali akbar Sabouri, S.M. Kalantar, and . "Novel biodegradable heparin-coated nanocomposite system for targeted drug delivery." *RSC Advances* 4, no. 1 (2014): 13719-13728.
- 208) , , , Y.. Palizdar, M.. Eslami-Moghaddam, , and Ali akbar Sabouri. "Synthesis, characterization, cytotoxicity and DNA binding studies of a novel anionic organopalladium(II) complex." *Acta Chimica Slovenica* 61, no. 1 (2014): 126-136.
- 209) Sabouri, Ali akbar. "Iran scietific documents in 2013." *Science Cultivation Journal* 4, no. 1 (2014): 94-100.
- 210) Pirhaghghi, M., and Ali akbar Sabouri. "Science production in the field of bioscience: Comparing Iran with the word and regional superior powers." *Science Cultivation Journal* 4, no. 1 (2014): 10-18.
- 211) Taghavi, F., and Ali akbar Sabouri. "Avoid from research misconduct and its inhibition mechanism." *Science Cultivation Journal* 4, no. 1 (2014): 43-48.
- nanocapsules." *JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B BIOLOGY* 140, no. 1 (2014): 255-265.
- into oral drug delivery system based on metal drugs in colon cancer therapy through  $\beta$ -lactoglobulin/oxali-palladium
- 212) Ghalandari, B., A.. Divsalar, Ali akbar Sabouri, and K.. Parivar. "The new insight
- 213) Rajabzadeh-Asarha, A.H., Nader Naghshineh, and Ali akbar Sabouri. "Familiarity of UT researchers with the issue of research misconducts." *Journal of Academic Librarianship* 47, no. 1 (2014): 110-119.

- 214) Pirhaghghi, M., and Ali akbar Sabouri. "Peer-Reviewed journals." *Science Cultivation Journal* 4, no. 1 (2014): 106-117.
- 215) Derakhshankhah, H., Ali akbar Sabouri, A., Divsalar, H., Mansouri-Torshizi, I., Bamery, , Mohammadreza Ganjali, H., Ilkhani, and H.R. Khavasi. "Synthesis, characterization and catalytic activity of a new designed copper(II)-dien-diamine-bridged complex." *Journal of the Iranian Chemical Society* 11, no. 5 (2014): 1381-1390.
- 216) Farivar, F., Ali Akbar Moosavi-Movahedi, S., Yousefinejad, maryam salami, Ali akbar Sabouri, and Amir niasari. "Deconvolution and binding study of camel and human serum albumins upon interaction with sodium dodecyl sulphate." *Journal of the Iranian Chemical Society* 11, no. 1 (2014): 1449-1457.
- 217) Behroozi, J., A., Divsalar, and Ali akbar Sabouri. "Honey bee venom decreases the complications of diabetes by preventing hemoglobin glycation." *Journal of Molecular Liquids* 199, no. 1 (2014): 371-375.
- 218) Shojaei, F., N., Tavakolinia, A., Divsalar, T., Haertle, Ali akbar Sabouri, Mohsen Nemat Gorgani, and M., Pia Abbracchio. "Biochemical and immunological aspects of protein aggregation in neurodegenerative diseases." *Journal of the Iranian Chemical Society* 11, no. 1 (2014): 1503-1512.
- 219) Sorinezami, Z., H., Mansouri-Torshizi, S., Shahraki, A., Ghahghaei, M., Doostkami, A., Divsalar, Ali akbar Sabouri, and M., Heydari. "Synthesis, cytotoxicity and DNA binding of novel binuclear antitumor complexes formed by linking two 2,2'- Bipyridine Palladium (II) moieties via alkylene bisdithiocarbamates." *Asian Journal of Pharmaceutical Technology and Innovation* 2, no. 1 (2014): 105-122.
- 220) Ghalandari, B., A., Divsalar, Ali akbar Sabouri, and K., Parivar. "B-Lactoglobulin nanoparticle as a chemotherapy agent carrier for oral delivery system." *Journal of the Iranian Chemical Society* 1, no. 12 (2015): 613-619.
- 221) Divsalar, A., Razmi Mahdieh, Ali akbar Sabouri, H., Mansouri-Torshizi, and Faizan Ahmad. "Biological Evaluation of a New Synthesized Pt(II) Complex by Cytotoxic and Spectroscopic Studies." *Cell Biochemistry and Biophysics* 1, no. 71 (2015): 1415-1424.
- 222) Ajloo, Davood, Sajede Shabanpanah, Bita shafaatian, Maryam Ghadamgahi, Yasin Alipour, Taghi Lashkarbolouki, and Ali akbar Sabouri. "Interaction of three new tetradentates schiffbases containing N2o2 donor atoms with calf thymus DNA." *International Journal of Biological Macromolecules* 1, no. 77 (2015): 193-202.
- 223) Jahadi, Mahshid, Kianoosh Khosravi-Darani, Mohammad Reza Ehsani, Mohammad Reza Mozafari, Ali akbar Sabouri, and Pouneh Sadat Pourhosseini. "The enclapsulation of flavourzyme in nanoliposome by heating method." *Journal of food science and Technology* 52, no. 4 (2015): 2063-2072.
- 224) Zolghadri, Samaneh, Ali akbar Sabouri, M.S. Atri, and Ali Akbar Moosavi-Movahedi. "Differential propensity of citrate and polyethylene glycol-coated silver nanoparticles to bovine hemoglobin." *TOXICOLOGY AND INDUSTRIAL HEALTH* 31, no. 8 (2015): 721-726.
- 225) Ghalandari, Behafarid, A., Divsalar, Mahbubeh Eslami-Moghadam, Ali akbar Sabouri, Thomas Haertle, Massoud Amanlou, and K., Parivar. "Probing of the Interaction Between B-Lactoglobulin and Anticancer Drug Oxaliplatin." *APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY* 1, no. 175 (2015): 974-987.
- 226) Ajloo, Davood, Mahbubeh Eslami-Moghadam, Khadijeh Ghadimi, Maryam Ghadamgahi, Ali akbar Sabouri, A., Divsalar, Minoo Sheikhmohammadi, and Khalil Yousefi. "Synthesis, characterization, spectroscopy, cytotoxic activity and molecular dynamic study on the interaction of three palladium complexes of phenanthroline and glycine derivatives with calf thymus DNA." *Inorganica Chimica Acta* 1, no. 430 (2015): 144-160.
- 227) Ahmadi, Maedeh, Ashkan Madadlou, and Ali akbar Sabouri. "Isolation of micro and nanocrystalline cellulose particles and fabrication of crystalline particles-loaded whey protein cold-set gel." *Food Chemistry* 1, no. 174 (2015): 97-103.
- 228) Saeidifar, Maryam, H., Mansouri-Torshizi, and Ali akbar Sabouri. "Biophysical study on the interaction between two palladium(II) complexes and human serum albumin by multispectroscopic methods." *JOURNAL OF LUMINESCENCE* 1, no. 167 (2015): 391-398.

- 229) Delavari, B., Ali akbar Sabouri, M.S. Atri, A. Ghasemi, B. Bigdeli, A. Khammari, P. Maghami, Ali Akbar Moosavi-Movahedi, T. Haertle, and Bahram Golyaei. "Alpha-lactalbumin: A new carrier for vitamin D3 food enrichment." *Food Hydrocolloids* 45, no. 1 (2015): 124-131.
- 230) Hosseini Koupaei, M., B. Shareghi, Ali akbar Sabouri, F. Davar, A. Semnani, and M. Evini. "Green synthesis of zinc oxide nanoparticles and their effect on the stability and activity of proteinase K." *RSC Advances* 6, no. 1 (2015): 42313-42323.
- 231) Eskandari, P., and Ali akbar Sabouri. "Publish or perish, but not at any cost." *Science Cultivation Journal* 1, no. 1 (2015): 38-43.
- 232) Pirhaghi, Mitra, and Ali akbar Sabouri. "The critical size of research groups and it's study in iran." *Science Cultivation Journal* 5, no. 1 (2015): 6-11.
- 233) Jahadi, M., K. Khosravi-Darani, M.R Ehsani, M.R Mozafari, Ali akbar Sabouri, A. Zoghi, and M. Mohammadi. "Modelling of proteolysis in Iranian brined cheese using proteinase-loaded nanoliposome." *INTERNATIONAL JOURNAL OF DAIRY TECHNOLOGY* 69, no. 1 (2016): 57-62.
- 234) Hadian, M., S.M.H Hosseini, A. Farahnaky, G.R Mesbahi, G.H Yousefi, and Ali akbar Sabouri. "Isothermal titration calorimetric and spectroscopic studies of  $\alpha$ -lactoglobulin-water-soluble fraction of Persian gum interaction in aqueous solution." *Food Hydrocolloids* 55, no. 1 (2016): 108-118.
- on the structure, enzyme activity and stability of  $\alpha$ -chymotrypsin." *RSC Advances* 6, no. 1 (2016): 29264-29278.
- 235) Farhadian, S., B. Shareghi, Ali akbar Sabouri, and M. Evini. "Influence of putrescine
- 236) Zareian Jahromi, E., A. Divsalar, Ali akbar Sabouri, S. Khaleghizadeh, H. Mansouri-Torshizi, and I. Kostova. "Palladium complexes: New candidates for anti-cancer drugs." *Journal of the Iranian Chemical Society* 13, no. 1 (2016): 967-989.
- 237) Alizadeh zeinabad, H., A.R. Zarrabian, Ali akbar Sabouri, A.M. Alizadeh, M. Falahati, A.R. Zarrabian, and A.M. Alizadeh. "Interaction of single and multi wall carbon nanotubes with the biological systems: tau protein and PC12 cells as targets." *Scientific Reports* 6, no. 1 (2016): 1-21.
- 238) Saeidifar, Maryam, A. Khnlarkhani, M. Eslami-Moghadam, H. Mansouri-Torshizi, and Ali akbar Sabouri. "Investigation of the binding behavior between the S-heterocyclic aromatic palladium(II) complex and human serum albumin: Spectroscopic approach." *Polycyclic Aromatic Compounds* 36, no. 1 (2016): 40-57.
- activity of  $\alpha$ -chymotrypsin: Thermodynamic, kinetic and docking studies." *RSC Advances* 6, no. 1 (2016): 72201-72212.
- 239) Farhadian, S., B. Shareghi, Ali akbar Sabouri, and L. Momeni. "Counteraction of lactose on the thermal stability and
- 240) Mzafari, E.S., E. Tazikeh-Lemeski, and Ali akbar Sabouri. "Isothermal titration calorimetry and molecular dynamics simulation studies on binding of indomethacin with human serum albumin." *Biomacromolecular Journal* 2, no. 1 (2016): 34-43.
- 241) Aghili, Z., S. Taheri, H. Alizadeh Zeinabad, L. Pishkar, A. Rahimi, Ali akbar Sabouri, and M. Falahati. "Interaction of Fe nanoparticles with lysozyme by biophysical and molecular docking studies." *PLOS ONE* 11, no. 10 (2016): 1-21.
- 242) Izadi, Z., A. Divsalar, Ali akbar Sabouri, and L. Sawyer. "Beta-lactoglobulin-pectin nanoparticles-based oral drug delivery system for potential treatment of colon cancer." *Chemical Biology and Drug Design* 88, no. 1 (2016): 209-216.
- 243) Moosavi-Movahedi, Ali Akbar, Ali akbar Sabouri, Hossein Hosseinkhani, L. Lohrasbi-Nejad, Mehran Habibi-Rezaei, P. Maghami, M.S. Atri, and L. Fotouhi. "Protein stability, folding, disaggregation and etiology of conformational malfuncations." *Biomacromolecular Journal* 2, no. 1 (2016): 8-20.
- gastrointestinal targeted delivery using  $\beta$ -lactoglobulin nanoparticle." *Biomacromolecular Journal* 1, no. 1 (2016): 204-211.
- Divsalar, A. Komeili, M. Eslami-moghadam, Ali akbar Sabouri, and K. Parivar. "Mathematical analysis of drug release for
- 244) Ghalandari, B., A.



245) Momeni, L., B.. Shareghi, Ali akbar Sabouri, and S.. Farhadian. "Comparative studies on the interaction of spermidine with bovine trypsin by multi-spectroscopic and docking methods." *Journal of Physical Chemistry B* 120, no. 1 (2016): 9632-9641.

of spermidine and  $\alpha$ -chymotrypsin." *International Journal of Biological Macromolecules* 92, no. 1 (2016): 523-532.  
S., B.. Shareghi, Ali akbar Sabouri, A.. Kazemi Babaheydari, F.. Riazi, and E.. Heidari. "Molecular aspects of the interaction 246) Farhadian,

247) Momeni, L., B.. Shareghi, Ali akbar Sabouri, and S.. Farhadian. "The effect of spermine on the structure, thermal stability and activity of bovine pancreatic trypsin." *RSC Advances* 6, no. 1 (2016): 60633-60642.

248) Fotouhi, L., Ali Akbar Moosavi-Movahedi, S.. Yousefinejad, M.. Shourian, Mehran Habibi-Rezaei, N.. Sheibani, and Ali akbar Sabouri. "Hydrophobic behavior, ROS production and heme degradation of hemoglobin upon interaction with n-alkyl sulfates." *Journal of the Iranian Chemical Society* 13, no. 1 (2016): 2103-2111.

249) Shahraki, S., H.. Mansouri-Torshizi, M.. Sadeghi, A.. Divsalar, and Ali akbar Sabouri. "Novel Pt(II) complex and its Pd(II) analogue. Synthesis, characterization, cytotoxicity and DNA-interaction." *Biomacromolecular Journal* 1, no. 1 (2016): 242-253.

250) Solymani, H., Ali akbar Sabouri, Ali Akbar Moosavi-Movahedi, F.. Rahmani, J.. Maleki, S.. Yousefinejad, and Parvaneh Maghami. "Vitamin E induces regular structure and stability of human insulin, more intense than vitamin D3." *International Journal of Biological Macromolecules* 11, no. 10 (2016): 1-11.

251) Oftadeh, M., , Ali akbar Sabouri, and S.. Rafiei. "Investigation of the effects of various cyclodextrins on the stabilisation of human serum albumin by a spectroscopic method." *Australian Journal of Chemistry* 68, no. 1 (2016): 1894-1899.

and formation of consequent abnormal structural clot." *ACS applied materials & interfaces* 8, no. 1 (2016): 30768–30779.  
Dinarvand, E.. Poh Ng, H.. Awala, S.. Mintova, and M.. Mahmoudi. "Zeolite nanoparticles inhibit A $\beta$ -fibrinogen interaction 252) Sabouri, Ali akbar, H.. Derakhshankhah, M.J. Hajipour, E.. Barzegari, A.. Lotfabadi, M.. Ferdousi, R..

Oxidase from *Alcaligenes* Species Studied by Chemical Modifications." *PROCESS BIOCHEMISTRY* 41, 2 (1384): 477-482.  
Hiditine ve Serinlerin Kolinin Katalitik Aktivitesinde Rolu, H. Akbar Sabouri, S. Yousefinejad, F. Rahmani, J. Maleki, S. Yousefinejad, and P. Maghami. "Histidine and Serine Roles in Catalytic Activity of Choline Oxidase from *Alcaligenes* Species Studied by Chemical Modifications." *PROCESS BIOCHEMISTRY* 41, 2 (1384): 477-482.  
Hosein Tavakoli. (253)

254) Kermi, L., ... و علی اکبر صیوری . "شاخص های مرسوم و جدید در علم سنجی." *Cultivation Journal* 6, 1 (1395): 6-13 .Science

255) کاظمی، ف.. و علی اکبر صیوری . "شبه علم." *Science Cultivation Journal* 6, 1 (1395): 14-19 .Science

مقالات چاپ شده در نشریات داخلی

1) Sabouri, Ali akbar, and S Mansoury . "Thermodynamics study on the effect of some osmolytes on the stability of glucose oxidase." *IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION* 18, no. --- (2000): -.

2) Sabouri, Ali akbar. "Research report status of Iran in 2002." *Science Policy Quaterly (Rahyaft )* 28, no. --- (2003): 95-87.

3) Sabouri, Ali akbar. "Standardizing scientific journals and the criteria for evaluation of ISI." *Science Policy Quaterly (Rahyaft )* 29, no. (2003): 88-83.

4) Sabouri, Ali akbar. "Middle eastern nations making their mark." *Science Policy Quaterly (Rahyaft )* 31, no. --- (2003): 93-90.

5) Sabouri, Ali akbar. "Promotion on science production in South Korea." *Science Policy Quaterly (Rahyaft )* 32, no. --- (2004): 64-58.

6) , HAKIMELAHI G H , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, OSETROV V , KHODARAHMI G A , and SHIA K S . " Design, synthesis and biological evaluation of novel carbapenems." *International Journal of Scientific Research* 14, no. --- (2005): 59-70.

7) Sabouri, Ali akbar. "Evaluation of the Iranian Journals indexed in the Institute of Scientific Information ( ISI )." Science Policy Quaterly (Rahyaft ) -, no. 36 (2005): 62-52.

kinetic and thermodynamic studies on intestinal and peen adenosine deaminase." پژوهنده 10, no. 2 (2005): 65-72.

SH SAFARIAN , Mehran Habibi-Rezaei, Ali akbar Sabouri, S MARDANIAN , and L GACHKAR . "Comparative  
8) , ATAEI JAFARI GH, F ZONOUZI , A DIVSALAR , Ali Akbar Moosavi-Movahedi,

STUDIES ON INTESTINAL AND SPLEEN ADENOSINE DEAMINASE." پژوهش و سازندگی 20, no. 44 (2005): 72-65.

, M Rezaei , Ali akbar Sabouri, S MARDANIAN , and L GACHKAR . "COMPARATIVE KINETIC AND THERMODYNAMIC  
9) , ATAEI JAFARI GH, ZONOUZI F , DIVSALAR A , Ali Akbar Moosavi-Movahedi, SAFARIAN SH , MEHRAN HABIBI REZAEI

10) Sabouri, Ali akbar. "Science production in Iran 2006." Science Policy Quaterly (Rahyaft ) -, no. 38 (2006): 45-40.

11) Sabouri, Ali akbar, and N Poursasan . "Science production in Iran 2005." Science Policy Quaterly (Rahyaft ) -, no. 37  
(2006): 52-49.

12) , Shahram Ghanbari Pakdehi, Giti Abolhamd , Morteza Sohrabi , Ali Saberi Moghaddam , Ali Reza Zarei , GH Ataie , S  
Bagheri , A Divsalar , Ali akbar Sabouri, SH Safarian , S Namaki , and Ali Akbar Moosavi-Movahedi. "A kinetic comparison  
on the inhibition of adenosine deaminase by purine drugs." IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH 6, no. 1  
(2007): 50-43.

13) , RYousefi , S K Ardestani , M Imani , Ali akbar Sabouri, and A Kariminia . "ROS induction by human calprotectin in  
K562 and reversal effect of vitaminE." BIOLOGICAL SCIENCES 2, no. 2 (2007): 215-220.

) with bovine beta - lactoglobulin - A and - B." Journal of Biomolecular Structure & Dynamics 25, no. 2 (2007): 182-173.

Moosavi-Movahedi. "Binding properties of a new anti - tumor component ( 2,2' - bipyridin octylglycinato Pd ( II ) nitrate  
14) Sabouri, Ali akbar, ا دیوسالار , H Mansoori-Torshizi , and Ali Akbar

15) , A Divsalar , Ali akbar Sabouri, H Mansouri Torshizi , MI Moghaddam , F Ahmad , GH Hakimelahi , and Ali Akbar  
Moosavi-Movahedi. "Comparative studies on the interaction between bovine beta - lacto - globulin type A and B and a  
new designed Pd ( II ) complex with anti - tumor activity at different temperatures." Journal of Biomolecular Structure &  
Dynamics 26, no. 5 (2009): 587-597.

16) Alijananzadeh, M., Ali akbar Sabouri, Mohammadreza Ganjali, Hamid Hadi Alijanvand , and Ali Akbar  
Moosavi-Movahedi. "Inhibition of mushroom tyrosinase by a newly synthesized ligand : inhibition kinetics and  
computational simulations." Journal of Biomolecular Structure & Dynamics 30, no. 4 (2012): 448-459.

17) Sepassi Tehrani, H., Ali Akbar Moosavi-Movahedi, Hedayatollah Ghourchian, F.. Ahmad, A.. Kiany, M.S. Atri, Sh.  
Ariaeenejad, Kaveh Kavousi, and Ali akbar Sabouri. "Effect of compatible and non-compatible osmolytes on the enzymatic  
activity and thermal stability of bovine liver catalase." Journal of Biomolecular Structure & Dynamics 31, no. - (2013):  
1440-1454.

18) Sabouri, Ali akbar. "A brief history of the journal (IJCCE)." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL  
ENGINEERING-INTERNATIONAL ENGLISH EDITION 32, no. - (2013): 1-2.

19) Rahimi-Vaghar, R., Ali akbar Sabouri , , and H.. Mansouri-Torshizi. "Heme releasing from human hemoglobin upon  
interaction with a new synthesized complex of 1,10-phenanthroline-n-butyl dithiocarbamate Pd (II) nitrate." Physical  
Chemistry Research 1, no. - (2013): 185-196.

20) , , S.. Khodabakhshian, Ali akbar Sabouri , , and M.. Evini. "Probing of the interaction between human serum albumin  
and a new synthesized Pd(II) complex using spectroscopic methods." Journal of Science, IR Iran 24, no. - (2013):  
105-111.

by University of Tehran until the end of 2012." 62 اطلاع رسانی دانشگاهی , no. 1 (2013): 33-49.

21) Sabouri, Ali akbar. "International scientific documents published

22) Divsalar, A., J.. Behroozi, Ali akbar Sabouri, and N.. Poursasan. "Preservative effects of aspirin on human hemoglobin  
glycation in diabetic condition." Armagh - Danesh 18, no. 1 (2013): 453-461.

23) Esmailzadeh, Z., Ali akbar Sabouri, H., Mansouri-Torshizi, M., Saeidifar, and A.. Divsalar. "Studies of the interaction of Ni (II) complexes bearing planar aromatic ligands with calf thymus DNA." IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION 32, no. 1 (2014): 1-13.

24) Shahraki, S., H., Mansouri-Torshizi, Z., Sorinezami, A., Ghahghaei, F., Yaghoobi, A., Divsalar, Ali akbar Sabouri, and F.H Shirazi. "The effects of extending of co-planarity in a series of structurally relative polypyridyl palladium(II) complexes on DNA-binding and cytotoxicity properties." IRANIAN JOURNAL OF PHARMACEUTICAL RESEARCH 13, no. 1 (2014): 1279-1294.

on the structure and the function of bovine liver catalase." 4 مجله دانشگاه علوم پزشکی فسا 4 (2014): 258-267.

25) Moradi, M., A Divsalar , , Ali akbar Sabouri, and M.. Tahmaseb. "In vitro studying of deferasirox side effects

26) Amanlou, M., Ali akbar Sabouri, Roya Bazl, Mohammadreza Ganjali, and S.. Sheibani. "Adenosine deaminase activity modulation by some street drug: molecular docking simulation and experimental investigation." DARU Journal of Pharmaceutical Science 22, no. 1 (2014): 42-51.

27) Abbasi-Tejarag, Kh., A Divsalar , Ali akbar Sabouri, M.. Eslami-Moghadam, and N.. Poursasan. "In vitro study of oxali-palladium effect on human hemoglobin." Scientific Journal of Kurdistan University of Medical Sciences 16, no. 1 (2014): 40-49.

28) Gholamian, A., , M.. Eslami-Moghadam, , and Ali akbar Sabouri. "The effects of oxali-palladium on the function and structure of liver catalase." Arak Medical University Journal 17, no. 1 (2014): 40-49.

29) Behroozi, J., A Divsalar , and Ali akbar Sabouri. "Investigating the synergic effect of Bee venom and aspirin on inhibition of glycation in diabetic conditions." Quarterly Journal of Sabzevar University of Medical Sciences 21, no. 1 (2014): 482-492.

30) Sabouri, Ali akbar, A.. Divsalar, and Mohammad Nabini. "Preventing Human Hemoglobin Glycation Via Bee Venom." Journal of Medical Sciences and Health Services, Tabriz 36, no. 1 (2014): 10-17.

31) Bagherzadeh, Kowsar, Faezeh Sharifi Talari, Amirhossein Sharifi, Mohammadreza Ganjali, Ali akbar Sabouri, and Massoud Amanlou. "A new insight into mushroom tyrosinase inhibitors: Docking, pharmacophore-based virtual screening and molecular modeling studies." Journal of Biomolecular Structure & Dynamics 1, no. 33 (2015): 487-501.

32) Divsalar, A., S.. Shahraki, H., Mansouri-Torshizi, A., Heydari, A., Ghahghaei, Ali akbar Sabouri, H.. Ghaemi, M., Doostkami, and S.. Zareian. "Platinum (II) and Palladium complexes with 1,10-phenanthroline and pyrrolidinedithiocarbamate ligands: synthesis, DNA-binding and anti-tumor activity in leukemia K562cell line." Iranian Journal of Science and Technology A:Science 1, no. 39A2 (2015): 187-198.

33) Jahadi, Mahshid, Kianoush Khosravi-Darani, Mohammad Reza Ehsani, Ali akbar Sabouri, Alaleh Zoghi, Koroush Eghbaltalab, Roohollah Ferdwosi, and Mohammad Reza Mozafari. "Effect of protease loaded nanoliposome produced by heating method on yield and composition of whey and crud during the production of Iranian Brined cheese." Nutrition and food sciences research 1, no. 2 (2015): 49-53.

34) Atri, Malihe Sadat, Ali akbar Sabouri, and Faizan Ahmad. "Biological Applications of Isothermal Titration Calorimetry." Physical Chemistry Research 1, no. 3 (2015): 319-330.

35) Moradi, M., A.. Divsalar, Ali akbar Sabouri, B.. Ghalandari, and A.R. Harifi. "Inhibitory effects of deferasirox on the structure and function of bovine liver catalase: a spectroscopic and theoretical study." Journal of Biomolecular Structure & Dynamics 1, no. 33 (2015): 2255-2266.

"Investigating the human hemoglobin fructation in the presence of propolis in vitro." 1 فیض 1 (2015): 553-563.

36) Sahebi, U., , and Ali akbar Sabouri.

37) Shahsavani, M.B., S.. Ahmadi, S.M. Nabavizadeh, M.. Rashidi, N.. Erfani, Z.. Asadi, A.. Ghasemi, Ali akbar Sabouri, A.. Niazi, A.. Bahaoddini, and R.. Yousefi. "Anticancer activity assessment of two novel binuclear Pt (II) complexes: Importance of non conventional structures to overcome insufficiencies of the classical platinum drugs." Journal of Photochemistry & Photobiology, B: Biology 161, no. 1 (2016): 345-354.

38) Eslami-moghadam, M., Maryam Saeidifar, A. Divsalar, H. Mansouri-Torshizi, Ali akbar Sabouri, H. Farhangian, and M. Ghadamgahi. "Rich spectroscopic and molecular dynamic studies on the interaction of cytotoxic Pt(II) and Pd(II) complexes of glycine derivatives with Calf thymus DNA." *Journal of Biomolecular Structure & Dynamics* 34, no. 1 (2016): 206-222.

39) Ajloo, Davood, N. Mahmoodabadi, M. Ghadamgahi, and Ali akbar Sabouri. "Spectroscopy and computational studies on the interaction of octyl, dodecyl and hexadecyl derivatives of anionic and cationic surfactants with adenosine deaminase." *Journal of Biomolecular Structure & Dynamics* 34, no. 1 (2016): 1495-1511.

40) Abazari, O., Z. Shafaei, A. Divsalar, M. Eslami-moghadam, B. Ghalandari, and Ali akbar Sabouri. "Probing the biological evaluations of a new designed Pt(II) complex using spectroscopic and theoretical approaches: Human hemoglobin as a target." *Journal of Biomolecular Structure & Dynamics* 34, no. 1 (2016): 1123-1131.

41) Eslami-moghadam, M., A. Divsalar, A. Abolhosseini Shahrnoy, and Ali akbar Sabouri. "Synthesis, cytotoxicity assessment, and interaction and docking of novel palladium(II) complexes of imidazole derivatives with human serum albumin." *Journal of Biomolecular Structure & Dynamics* 34, no. 1 (2016): 1751-1762.

complex: A nano artificial enzyme." *Journal of Biomolecular Structure & Dynamics* 33, no. 1 (2016): 2619-2632.

Ali akbar Sabouri, N. Sheibani, and Ali Akbar Moosavi-Movahedi. "Caseoperoxidase, mixed  $\beta$ -casein-SDS-hemin-imidazole Mohammad Akbarzadeh, M. Esmaili, M.S. Atri, Y. Sefidbakht, M. Bohlooli, K. Nazari, S. Javadian, J. Hong, 42) Moosavi-Movahedi, Z., H. Gharibi, H. Hadi-Alijanvand,

43) Hosseini Koupaei, M., B. Shareghi, Ali akbar Sabouri, F. Davar, and F. Raisi. "The Effect of spermidine on the structure, kinetic and stability of proteinase K: Spectroscopic and computational approaches." *RCS Advances* 6, no. 1 (2016): 105476-105486.

44) Alizadeh Zeinabad, H., E. Kachoei, Ali akbar Sabouri, I. Kostova, F. Attar, and M. Vaezadeh. "Thermodynamic and conformational changes of protein toward interaction with nanoparticles: A spectroscopic overview." *RCS Advances* 6, no. 1 (2016): 105903-105919.

45) Esfandfar, P., M. Falahati, and Ali akbar Sabouri. "Spectroscopic studies of interaction between CuO nanoparticles and bovine serum albumin." *Journal of Biomolecular Structure & Dynamics* 34, no. 1 (2016): 1962-1968.

46) Abbasi, Kh., A. Divsalar, Ali akbar Sabouri, M. Eslami-moghadam, B. Ghalandari, and Hedayatollah Ghourchian. "Destructive effect of a new designed oxali-palladium on heme degradation through the generation of endogenous hydrogen peroxide." *Journal of Biomolecular Structure & Dynamics* 34, no. 1 (2016): 2493-2504.

47) ، رضا یوسفی ، ملیحه سادات عطری ، مریم سلامی ، امیر نیاسری نسلجی ، علی اکبر صبوری و علی اکبر موسوی موحدی . "خواص ضد سرطانی و ضد میکروبی پروتئین و پپتیدهای شیر." نشریه رازی 18، 11 (1111): 46-51.

48) ، غلامرضا حبیبی ، علی اکبر صبوری و علی اکبر موسوی موحدی . "ترمودینامیک اثرسرب بروی آلبومین سرم خون انسان." محیط زیست طبیعی 23، 20 (1376): 30-25.

49) صبوری ، علی اکبر. "مطالعه ترمو دینامیکی تاثیر برخی از اسمولیتها بر پایداری گلوکز اکسیداز." شیمی و مهندسی شیمی ایران 18، 2 (1378): -.

50) صبوری ، علی اکبر. "رده بندی علوم در ایالات متحده آمریکا." فصلنامه رهیافت -، 33 (1383): 49-58.

51) صبوری ، علی اکبر. "رشد علمی در کره جنوبی." فصلنامه رهیافت -، 32 (1383): -.

52) صبوری ، علی اکبر و ساسان نجمه پور . "تولید علم در سال 2004." فصلنامه رهیافت 14، 34 (1383): 60-66.

53) ، قاسم عطایی جعفری، فروزان زنوزی ، عادلہ دیوسالار ، علی اکبر موسوی موحدی ، علی اکبر صبوری ، شاهرخ صفریان ، مهران حبیبی رضائی ، لطیف گچکار و سونا مردانیان . "مقایسه سینتیکی و ترمودینامیکی انزیم ادنوزین دامیناز روده و طحال." پژوهنده 10، 2 (1384): 72-65.

54) صبوری ، علی اکبر. "ارزیابی مجلات ایرانی فهرست شده در موسسه اطلاعات علمی ( ISI )." فصلنامه رهیافت 15، 36 (1384): 52-62.

55) صبوری ، علی اکبر. "تولید علم ایران در سال 2006." فصلنامه رهیافت -، 38 (1385): 45-40.

56) نوری زاده، س...، و علی اکبر صبوری . "مطالعه ساختاری برهمکنش داروی ضد سرطان از دسته کمپلکس پلاتینی با پروتیین سرم انسانی." یافته های نوین در علوم زیستی (علوم سابق) 2، 1 (1395): 250-259.

57) کشمیری نقاب، هدا، ب.. گلیایی، علی اکبر صبوری و علی اکبر موسوی موحدی . "استفاده از گرماسنجی روشی تفاضلی در تشخیص مراحل اولیه سرطانها." Tehran University Medical Journal 74، 1 (1395): 371-375.

#### همایش‌های بین المللی

- 1) Sabouri, Ali akbar. "Evaluation of Hill coefficient from Scatchard and Klotz plots." First International Congress of Chemistry and Chemical Engineering (FICCCCE), Tehran, September 1-3, 1993 .
- 2) Sabouri, Ali akbar. "Free energy distribution of the interaction of binding sites for co-operative and antico-operative systems." 4th International Symposium on Protein Structure Function Relationship, Karachi, January 20-25, 1995 .
- 3) , , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, , and . "Thermodynamical investigation of bovine and pigeon hemoglobins by interaction with sodium n-dodecyl sulphate." 7th Congress of the Federation of Asia and Oceanian Biochemist and Molecular Biologists (FAOBMB), Sydney, September 24-29, 1995 .
- 4) Sabouri, Ali akbar, , and Ali Akbar Moosavi-Movahedi. "A novel method of analysis for protein ligand binding." Third Iranian Congress of Biochemistry and Laboratory Sciences, Tabriz, October 30-3, 1995 .
- 5) Sabouri, Ali akbar, and . "Titration microcalorimetry and binding studies on urease by interaction with homologous series of cationic surfactants." Fortieth Annual Meeting of Biophysical Society, Baltimore-Maryland, February 17-21, 1996 .
- 6) Sabouri, Ali akbar, and . "A theoretical investigation on binding of ionic surfactants to proteins." Fortieth Annual Meeting of Biophysical Society, Baltimore-Maryland, February 17-21, 1996 .
- 7) Moosavi-Movahedi, Ali Akbar, , , and Ali akbar Sabouri. "The mechanistic study on the interaction of deamino acid oxidase and n-dodecyl trimethylammonium bromide for the lighten of transition midpoint." International Symposium by the Association of Biomolecular Research Facilities (ABRF),, April 30-2, 1996 .
- 8) Moosavi-Movahedi, Ali Akbar, , , and Ali akbar Sabouri. "The mechanistic study on the interaction of D-amino acid oxidase and dodecyl trimethylammonium bromide for the lighten of transition midpoint." ABRF, Biomolecula Techniques, San Francisco, April 30-2, 1996 .
- 9) Sabouri, Ali akbar. "Research on thermodynamic aspect of protein ligand binding and protein thermal profiles." First Congress of Ph.D. Students in Basic Science, Tehran, May 12-13, 1996 .
- 10) Sabouri, Ali akbar, , and . "Evaluation of adenosine deaminase inhibition by a new dinucleotide." Tenth Symposium of the Protein Society,, August 3-7, 1996 .
- 11) Sabouri, Ali akbar. "Thermodynamics of protein-surfactant interaction." First Seminar on Ligand-Biomacromolecule Interaction and Protein Denaturation, Tehran, October 24-25, 1996 .
- 12) Sabouri, Ali akbar. "Thermodynamic studies on the interaction of bovine liver catalase and cyanide." 5th International Symposium on Protein Structure Function Relationship, Karachi, January 6-9, 1997 .
- 13) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, and . "Thermodynamic studies on the interaction of bovine liver catalase and cyanide." 5th Symposium on Protein Structure Function Relationship,, March 2-3, 1997 .
- 14) Sabouri, Ali akbar. "A new equation for thermodynamic evaluation of ligand-protein binding by using isothermal titration calorimetry." 41st Annual Meeting of Biophysical Society, Louisiana, March 2-6, 1997 .
- 15) Sabouri, Ali akbar, , , and Ali Akbar Moosavi-Movahedi. "Effect of sodium n-dodecyl sulphate on structure and oxygenation of hemoglobin." 41st Annual Meeting of Biophysical Society, Louisiana, March 2-6, 1997 .
- 16) Sabouri, Ali akbar, , and . "The enthalpy change of allostery of human haemoglobin-A according the oxygenation process." Second European Symposium of the Protein Society, Cambridge, April 12-16, 1997 .
- 17) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, and . "Thermodynamic studies on the interaction of horseradish peroxidase with surfactants." 17th International Congress of Biochemistry and Molecular Biology,, June 5-8, 1997 .
- 18) Moosavi-Movahedi, Ali Akbar, , Ali akbar Sabouri, , and . "Conformational stability studies of adenosine deaminase against chemical denaturants." 7th Symposium of the Protein Society, Boston, July 12-16, 1997 .

- 19) Sabouri, Ali akbar, , , and . "Conformational stability studies of adenosine deaminase against chemical denaturants." Eleventh Symposium of the Protein Society,, July 12-16, 1997 .
- 20) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Evaluation of the binding characteristic for protein-surfactant interaction accompanying with a definition of typical linkage function." 7th Symposium of the Protein Society, Boston, July 12-16, 1997 .
- 21) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Evaluation of the binding characteristic for protein-surfactant interaction accompanied with a definition of a typical linkage function." Eleventh Symposium of the Protein Society,, July 12-16, 1997 .
- 22) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Unusual binding of nickel ions to bovine liver glutamate dehydrogenase." The Fourth Biochemistry Congress, Babol, October 19-22, 1997 .
- 23) , , Ali akbar Sabouri, and . "Thermodynamics studies for -lactalbumin with interaction of n-alkyl trimethylammonium bromides." The Fourth Biochemistry Congress, Babol, October 19-22, 1997 .
- 24) , , Ali akbar Sabouri, , and Ali Akbar Moosavi-Movahedi. "The microcalorimetry and spectroscopical study of DNA-Aspirin interaction." The Fourth Biochemistry Congress, Babol, October 19-22, 1997 .
- 25) , , Ali akbar Sabouri, , and Ali Akbar Moosavi-Movahedi. "The effects of glycine on the interaction of urease and n-dodecyl trimethylammonium bromide." The Fourth Biochemistry Congress, Babol, October 19-22, 1997 .
- 26) Sabouri, Ali akbar. "Simple novel methods with new equations for studding the combined inhibitory effects." The Fourth Biochemistry Congress, Babol, October 19-22, 1997 .
- 27) , , Mahdi Naderi Manesh, and Ali akbar Sabouri. "Thermodynamic study of denaturation of bovine serum albumin with hexadecyl pyridinium bromide by surfactant selective electrode." Second Seminar on Ligand-Biomacromolecul Interaction and Protein Denaturation, Tehran, October 24-25, 1997 .
- 28) Sabouri, Ali akbar, and . "Effect of cobalt binding on the activity and thermal denaturation of -amylase." 42nd Annual Meeting of Biophysical Society, Missouri, February 22-26, 1998 .
- 29) Moosavi-Movahedi, Ali Akbar, , Ali akbar Sabouri, and . "The effect of glycine and analine on the urease stability and the activity in the presence of dodecyl trimethylammonium bromide." Twelfth Symposium of the Protein Society,, June 5-7, 1998 .
- 30) Sabouri, Ali akbar. "New methods for studying the combined inhibitory effects." 8th Congress of the Federation of Asia and Oceanian Biochemist and Molecular Biologists (FAOBMB), Kuala Lumpur, November 22-26, 1998 .
- 31) Sabouri, Ali akbar, , and Ali Akbar Moosavi-Movahedi. "A microcalorimetry and spectroscopy study on the spontaneous inactivation of yeast alcohol dehydrogenase." 8th Congress of the Federation of Asia and Oceanian Biochemist and Molecular Biologists (FAOBMB), Kuala Lumpur, November 22-26, 1998 .
- 32) Sabouri, Ali akbar, Ali Akbar Moosavi-Movahedi, and . "Human serum albumin binding studies of 2,2'S-bipyridineglycinato palladium (II) chloride." 43rd Annual Meeting of Biophysical Society, Baltimore, Maryland, February 13-17, 1999 .
- 33) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Distinction of Km For High Cooperative and Non-Cooperative Sites of RNase A Using Hill Plot." 43rd annual Meeting of Biophysical Society, Baltimore, February 13-17, 1999 .
- 34) Sabouri, Ali akbar. "Thermodynamics and kinetics studies on the spontaneous denaturation of glucose oxidase in the presence of some amino acids." 13th Iranian Chemistry and Chemical Engineering Congress, Tehran, February 16-18, 1999 .
- 35) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "The interaction of ionic and non-ionic detergents with glutamate dehydrogenase." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .
- 36) Sabouri, Ali akbar, , and Mahdi Naderi Manesh. "Increased thermal stability of BSA in the presence of L-proline and sucrose." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .

- ions on the stability of apo  $\beta_2$ -lactalbumin." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .
- 37) , , Ali akbar Sabouri, and . "Investigation on the effect of some
- 38) Sabouri, Ali akbar. "A novel method for investigation on kinetic stability of proteins." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .
- 39) , , Ali akbar Sabouri, and . "Structural and biological activity effects of NADPH on the catalase in the presence of natural inactivator metabolism." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .
- 40) , , Ali akbar Sabouri, and . "The effects of binding 2,2'S-bipyridineglycinato palladium (II) chloride on the structure of human serum albumin." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .
- 41) , , , Ali akbar Sabouri, and . "Thermodynamical analysis of hemoglobin under hexadecyl pyridinium bromide." Third Iranian Biophysical Chemistry Seminar, Tehran, February 23-25, 1999 .
- 42) Sabouri, Ali akbar. "The analysis of adenosine active site by chemical modification." Thirteen Symposium of the Protein Society, Boston-Massachusetts, July 24-28, 1999 .
- 43) Moosavi-Movahedi, Ali Akbar, , and Ali akbar Sabouri. "Thermodynamics of hemoglobins denaturation by surfactants." 37th IUPAC Congress, Berlin, August 1-2, 1999 .
- 44) Sabouri, Ali akbar, , , and Ali Akbar Moosavi-Movahedi. "Thermodynamic studies of the interaction of human serum albumin with 2,2'S-bipyridineglycinato palladium (II) chloride." 37th IUPAC Congress: Molecular Basis of the Life Sciences, Berlin, August 14-19, 1999 .
- 45) Safariyan , Shahrokh, , and Ali akbar Sabouri. "Free energy and the position of dissociation protons for acidic conformational states of cytochrom-C by titrimetry." 44th Annual Meeting of Biophysical Society, New Orleans, February 12-16, 2000 .
- 46) , , and Ali akbar Sabouri. "The conformational stability and oxygen affinity for hemoglobins in high altitude and low land." 44th Annual Meeting of Biophysical Society, New Orleans, February 12-16, 2000 .
- calcium ions on the stability of  $\beta_2$ -amylase." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 47) Sabouri, Ali akbar. "Effect of environmental
- 48) Sabouri, Ali akbar, , , and Ali Akbar Moosavi-Movahedi. "Inhibitory effects of benzhydroxamic acid and nicotineamide on the catalytic behavior of horseradish peroxidase." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 49) , , , and Ali akbar Sabouri. "Physicochemical studies on the interaction of divalent metal ions with urease." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 50) , , , , and Ali akbar Sabouri. "Structural analysis of adenosine deaminase active site via chemical modification." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 51) , , , Ali Akbar Moosavi-Movahedi, , and Ali akbar Sabouri. "Analysis of thermal denaturation for peroxidase in the presence of metal ions." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 52) Sabouri, Ali akbar, and . "Study on the interaction of a homologous series of n-alkyltrimethylammonium bromide with lysozyme by UV-VIS and fluorescence spectroscopy and microcalorimetry." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 53) Sabouri, Ali akbar. "Effect of some polyalcohol on the interaction between peroxidase and DTAB." Fourth Iranian Biophysical Chemistry Seminar, Tehran, February 15-17, 2000 .
- 54) Sabouri, Ali akbar, and . "Effects of some polyalcohols on the interaction between horse radish peroxidase and dodecyl trimethylammonium bromide." 45th Annual Meeting of Biophysical Society, Boston, Massachusetts, February 17-21, 2000 .
- 55) , , , , , Ali akbar Sabouri, and . "Phisico-chemical studies of 8-methoxypsoralen and DNA complex." 46th Annual Meeting of Biophysical Society, San Francisco, California, February 23-25, 2000 .

56) , , Ali Akbar Moosavi-Movahedi, , , and Ali akbar Sabouri. "Investigation of the hydrophobic effect in DNA-surfactant interaction by ion selective membrane electrode." 8th International Conference on Electroanalysis, Bonn, June 11-15, 2000 .

57) Sabouri, Ali akbar, and . "Thermodynamics of denaturation of  $\alpha$ -amylase with dodecyl trimethylammonium bromide in the presence of sucrose." Fourteen Symposium of the Protein Society, San Diago, California, August 5-8, 2000 .

58) , , and Ali akbar Sabouri. "Isothermal titration microcalorimetric study on the interaction of sodium dodecyl sulphate with some globular proteins." 12th International Congress on Thermal Analysis and Calorimetry (ICTAC), Copenhagen, August 14-18, 2000 .

59) Sabouri, Ali akbar. "Thermodynamic of hemoglobin and hexadecyl pyridinium bromide (HPB) interaction at various pH." 15th FAOBMB Symposium, Beijing, October 21-24, 2000 .

60) , , Behrouz Shahsavan Behboodi , , , and Ali akbar Sabouri. "The comparative stability and accessible surface area of avian and vertebrate hemoglobins." 15th FAOBMB Symposium, Beijing, October 21-24, 2000 .

61) , , , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Structure analysis of acidic and histidyl residues at the active site of adenosine deaminase via chemical modification." 2nd International Conference on Chemistry and its Applications, Doha, December 6-9, 2000 .

62) Sabouri, Ali akbar. "Structural analysis of acidic residues at the active site of adenosine deaminase via chemical modification." First Iranian Congress of Biochemistry and Biophysics, Tehran, January 16-17, 2001 .

63) , , , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Isothermal titration micro-calorimetric study on the interaction of sodium n-dodecyl sulphate with urease, human serum albumin, amino acid oxidase, peroxidase and lysozyme." First Iranian Congress of Biochemistry and Biophysics, Tehran, January 16-17, 2001 .

64) Sabouri, Ali akbar, , and . "A new calorimetric data analysis to study binding of copper ion by myelin basic protein." 45th Annual Meeting of Biophysical Society, Boston, Massachusetts, February 17-21, 2001 .

65) , , Ali akbar Sabouri, , and Ali Akbar Moosavi-Movahedi. "Thermodynamics of binding zinc ion on myelin basic protein." 45th Annual Meeting of Biophysical Society, Boston, Massachusetts, February 17-21, 2001 .

66) , , and Ali akbar Sabouri. "Free energy transfer of amino acids in different solvents: Application of molecular orbital and scaled particle theories." Fifth Iranian Biophysical Chemistry Seminar, Shahid Bahonar, Kerman, June 6-8, 2001 .

67) Sabouri, Ali akbar. "A Scatchard-like analysis of isothermal titration calorimetric data." Fifth Iranian Biophysical Chemistry Seminar, Kerman, June 6-8, 2001 .

68) , , , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Stabilization enthalpy of horseradish peroxidase in the presence of Ni<sup>2+</sup>." Fifth Iranian Biophysical Chemistry Seminar, Kerman, June 6-8, 2001 .

69) Sabouri, Ali akbar. "Stability, activity and binding properties of  $\alpha$ -amylase upon interaction with Ca<sup>2+</sup> and Co<sup>2+</sup>." The first symposium on the  $\alpha$ -amylase family,, October 30-4, 2001 .

70) Sabouri, Ali akbar. "Kinetic evidence for the allosteric behavior of mushroom tyrosinase." 46th Annual Meeting of Biophysical Society, San Francisco, California, February 23-25, 2002 .

71) , , and Ali akbar Sabouri. "Competitive inhibition of bovine carbonic anhydrase by product of esterase activity." 46th Annual Meeting of Biophysical Society, San Francisco, California, February 23-25, 2002 .

72) , , , and Ali akbar Sabouri. "Efficient competitive inhibitor lets resonance Raman studies on cresolase activity of mushroom tyrosinase." 46th Annual Meeting of Biophysical Society, San Francisco, California, February 23-25, 2002 .

73) , , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Isothermal microcalorimetry study on the inhibition of bovine carbonic anhydrase by product of esterase activity." 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, August 25-29, 2002 .

74) , , , , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Structural changes of human serum albumin due to the binding of nickel ions." th European Symposium on Thermal Analysis and Calorimetry, Barcelona, August 25-29, 2002 .



- 75) , , Ali akbar Sabouri, , , and . "Thermodynamic domain analysis and thermal stability comparison of latent and activated forms of mushroom tyrosinase." 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, August 25-29, 2002 .
- 76) Moosavi-Movahedi, Ali Akbar, , , and Ali akbar Sabouri. "The molten globule like-state of cytochrome c induced by n-alkyl sulfate at low concentrations: Isothermal titration calorimetry investigation." 8th European Symposium on Thermal Analysis and Calorimetry, Barcelona, August 25-29, 2002 .
- 77) Sabouri, Ali akbar. "Application of a new method for data analysis of isothermal titration calorimetry in the interaction between human serum albumin and Ni<sup>2+</sup>." 7th International Symposium on Protein Structure Function Relationship, Karachi, January 20-24, 2003 .
- 78) , , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, and Mehran Habibi-Rezaei. "Surface esterification of adenosine deaminase by Woodward reagent K." 50th Annual Meeting of Biophysical Society, Salt Lake City, Utah, February 18-22, 2003 .
- 79) , , , and Ali akbar Sabouri. "Inhibition studies on the catecholase reaction of mushroom tyrosinase failed to produce normal Dixon plots." 47th Annual Meeting of Biophysical Society, San Antonio, Texas, March 1-5, 2003 .
- 80) , , , and Ali akbar Sabouri. "Non-enzymic substrate for the catecholase reaction of mushroom tyrosinase." 47th Annual Meeting of Biophysical Society, San Antonio, Texas, March 1-5, 2003 .
- 81) , , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "The effect of some amino acids on the stability and activity of carbonic anhydrase." 47th Annual Meeting of Biophysical Society, San Antonio, Texas, March 1-5, 2003 .
- 82) Safariyan , Shahrokh, , Ali akbar Sabouri, Behrouz Shahsavan Behboodi , and Ali Akbar Moosavi-Movahedi. "Two sets binding analysis of bilirubin and human serum albumin complexes." 47th Annual Meeting of Biophysical Society, San Antonio, Texas, March 1-5, 2003 .
- 83) , , and Ali akbar Sabouri. "The effect of some amino acids on the structure and activity of carbonic anhydrase." HUPO 2nd Annual & IUBMB XIX World Congress, Montreal, October 8-11, 2003 .
- 84) , , and Ali akbar Sabouri. "The effect of N-acetylimidazole on the structure, stability and suicide substrate inactivation of mushroom tyrosinase." HUPO 2nd Annual & IUBMB XIX World Congress, Montreal, October 8-11, 2003 .
- 85) Safariyan , Shahrokh, , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Structural analysis of acidic and histidyl residues at the active site of adenosine deaminase via chemical modification." Second international Conference on Chemistry and its applications, Doha, December 6-9, 2003 .
- 86) Sabouri, Ali akbar. "Development methods for isothermal titration calorimetry data analysis." 2nd International Conference on Chemistry and its Applications, Doha, December 6-9, 2003 .
- 87) Sabouri, Ali akbar, , , and Ali Akbar Moosavi-Movahedi. "Thermodynamic studies on the interaction of theophylline with adenosine deaminase." 48th Annual Meeting of Biophysical Society, Baltimore, Maryland, February 14-18, 2004 .
- 88) , , , , and Ali akbar Sabouri. "Conformational study of DNA upon interaction with dimethyltin dichloride." 48th Annual Meeting of Biophysical Society, Baltimore, Maryland, February 14-18, 2004 .
- 89) Sabouri, Ali akbar. "Science production and evaluation." Sixth Iranian Biophysical Chemistry Conferencer, Damghan, September 7-9, 2004 .
- 90) , , Ali akbar Sabouri, and . "An overlook and comparison of the observed data in the interaction of 2,2?S-bipyridinedithiocarbamate palladium (II) family with HAS or BSA." Sixth Iranian Biophysical Chemistry Conference, Tehran, September 7-9, 2004 .
- 91) , , Ali akbar Sabouri, and . "Thermodynamic of binding in the interaction of 2,2?S-bipyridinehexyldithiocarbamate palladium (II) chloride with HSA." Sixth Iranian Biophysical Chemistry Conference, Damghan, September 7-9, 2004 .
- 92) , , Ali akbar Sabouri, and . "Binding parameters in the interaction of 2,2?S-bipyridineoctyldithiocarbamate palladium (II) chloride with HSA." Sixth Iranian Biophysical Chemistry Conference, Tehran, September 7-9, 2004 .

- 93) , , , Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "The physicochemical study of kinetic of oxidation and interaction of human A and S of hemoglobin with 2,2?S-dithiobipyridine in the absence and presence of surfactants." Sixth Iranian Biophysical Chemistry Conference, Damghan, September 7-9, 2004 .
- from Bacillus Amyloliquefaciens." Sixth Iranian Biophysical Chemistry Conference, Damghan, September 7-9, 2004 .
- 94) , , and Ali akbar Sabouri. "Thermodynamic stability of  $\alpha$ -amylase
- 95) , , Ali akbar Sabouri, and . "Spectroscopy studies on the interaction of HAS with 2,2?S-bipyridinebutylthiocarbamate palladium (II) chloride." Sixth Iranian Biophysical Chemistry Conference, Damghan, September 7-9, 2004 .
- 96) , , Ali akbar Sabouri, , and . "Interaction studies of 2,2?S-bipyridine phenyl dithiocarbamate palladium (II) chloride on bovine serum albumin." Sixth Iranian Biophysical Chemistry Conference, Damghan, September 7-9, 2004 .
- 97) Sabouri, Ali akbar. "Activation of mushroom tyrosinase by n-alkyl sulfates." 17th FAOBMB Symposium, Bangkok, November 22-26, 2004 .
- 98) Sabouri, Ali akbar. "Binding isotherm determination for protein interaction by isothermal titration calorimetry." 17th FAOBMB Symposium, Bangkok, November 22-26, 2004 .
- 99) Sabouri, Ali akbar. "Binding isotherm determination for protein interaction by isothermal titration calorimetry." 17th FAOBMB Symposium, Bangkok, November 22-27, 2004 .
- 100) Sabouri, Ali akbar, and . "Thermodynamic stability of bovine carbonic anhydrase." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- from Bacillus Amyloliquefaciens." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 101) Sabouri, Ali akbar. "Thermodynamic stability of  $\alpha$ -amylase
- 102) , , Ali akbar Sabouri, and . "inhibition effects of some disulfide compounds on the activity of mushroom tyrosinase." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 103) , , , , and Ali akbar Sabouri. "Thermodynamic studies of the interaction between histidine and copper ion by spectrophotometric, potentiometric and calorimetric methods." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 104) , , and Ali akbar Sabouri. "A review on ADA inhibitors." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 105) , , , , Ali akbar Sabouri, Ali Akbar Moosavi-Movahedi, , , , and . "The physicochemical study of interaction some of polyoxometalate with human serum albumin." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 106) , , and Ali akbar Sabouri. "A thermodynamic study on the binding properties of carbonic anhydrase upon interaction with copper ion." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 107) Sabouri, Ali akbar. "Effect of copper ion binding on the structure and function of carbonic anhydrase." 8th International Symposium on Protein Structure Function Relationship, HEJ Research Institute of Chemistry, Karachi, January 7-10, 2005 .
- 108) , , , , , , Ali akbar Sabouri, and . "Inhibitory effect of new synthesized nucleosides on adenosine deaminase." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- 109) , , , and Ali akbar Sabouri. "A microcalorimetry and spectroscopy study on the interaction between DNA and methylen blue, etidium bromide and acridine orange." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- (II) chloride on bovine serum albumin." Sixth Iranian Biophysical Chemistry Conference, Damghan, January 7-10, 2005 .
- of  $\alpha$ -paraxylidindithiocarbamate (bis 2,2 $\alpha$ S-bipyridine palladium 2,2 $\alpha$ S-bipyridineoctylthiocarbamate palladium 110) , , Ali akbar Sabouri, , and . "Thermodynamic Binding parameters of in the interaction

- (II) chloride on bovine serum albumin." Sixth Iranian Biophysical Chemistry Conferencer, Damghan, January 7-10, 2005 .  
 , Ali akbar Sabouri, , and . "Bifunctional interaction of کف-paraphenylenbisdithiocarbamate (bis 2,2-کS-bipyridine palladium 111) ,
- 112) , , , , Ali akbar Sabouri, , and . "Kinetic and structural analysis of the inhibition of adenosine deaminase by acetaminophen." Sixth Iranian Biophysical Chemistry Conferencer, Damghan, January 7-10, 2005 .
- 113) , , , , Ali akbar Sabouri, and . "Thermodynamic elucidation of DNA upon interaction with fullerol (C60(OH)n)." Sixth Iranian Biophysical Chemistry Conferencer, Damghan, January 7-10, 2005 .
- 114) , , , Ali akbar Sabouri, and . "Kinetic and thermodynamic study on the effect of aspirin and declofenac on adenosine deaminase activity." Sixth Iranian Biophysical Chemistry Conferencer, Damghan, January 7-10, 2005 .
- 115) Sabouri, Ali akbar, Shahrokh Safariyan , , , , , and . "Spectroscopy, calorimetry and potentiometry study on the interaction of human growth hormone with copper ion." Sixth Iranian Biophysical Chemistry Conferencer, Damghan, January 7-10, 2005 .
- 116) , , Ali akbar Sabouri, , and . "The effects of copper and nickel ions on the activity and stability of mushroom tyrosinase." 49th Annual Meeting of Biophysical Society, Long Beach, California, February 12-16, 2005 .
- 117) , , , Ali akbar Sabouri, , and Ali Akbar Moosavi-Movahedi. "Structural study of human growth Hormone: A thermodynamic and spectroscopic approach." 49th annual meeting of Biophysical society, California, February 12-16, 2005 .
- 118) Sabouri, Ali akbar. "The comparative thermodynamic and kinetic study of amine oxidases from lentil seedings and Euphorbia latex." 49th Annual Meeting of Biophysical Society, Long Beach, California, February 12-16, 2005 .
- 119) , , Ali akbar Sabouri, , and . "The effect of copper ions on the structure and activity of bovine carbonic anhydrase." 49th Annual Meeting of Biophysical Society, Long Beach, California, February 12-16, 2005 .
- 120) , , , , , Ali akbar Sabouri, , and Ali Akbar Moosavi-Movahedi. "The comparative thermodynamic and kinetic study of amine oxidases from lentil seedings and Euphorbia latex." 49th Annual Meeting of Biophysical Society, Long Beach, California, February 12-16, 2005 .
- 121) Sabouri, Ali akbar, , , , and . "of binding some metal ions on human growth hormone." 30th FEBS Congress and 9th IUBMB Congress: The Protein World, Budapest, July 2-5, 2005 .
- 122) , , , Ali akbar Sabouri, and . "Study of amino acid complexation with metal by using different methods (Study of thermodynamics between histidine and copper II)." 30th FEBS Congress and 9th IUBMB Congress, Hungary, July 2-7, 2005 .
- 123) Sabouri, Ali akbar, and . "Comparative structural and conformational studies on two forms of beta lactoglobulin (A and B) upon interaction with lead ion." 30th FEBS Congress and 9th IUBMB Congress, Hungary, July 2-7, 2005 .
- 124) Sabouri, Ali akbar, and . "Thermodynamics of binding some metal ions on human growth hormone." 30th FEBS Congress and 9th IUBMB Congress, Hungary, July 2-7, 2005 .
- 125) Sabouri, Ali akbar, and . "The effect of some osmolytes on the activity and stability of mushroom tyrosinase." 30th FEBS Congress and 9th IUBMB Congress, Hungary, July 2-7, 2005 .
- 126) , , Ali Akbar Moosavi-Movahedi, , , , , and Ali akbar Sabouri. "Conformational lock and thermal inactivation kinetics of Euphorbia amine oxidase." First International Congress on Biochemistry and Molecular Biology, Tehran, September 11-15, 2005 .
- 127) Sabouri, Ali akbar, and . "The effect of Cr+3 on the structure and conformation of beta lactoglobulin-A." First International Congress of Biochemistry and Molecular Biology and 8th Iranian Congress of Biochemistry, Tehran, September 11-15, 2005 .
- 128) , , and Ali akbar Sabouri. "Latent facts in the mushroom tyrosinase inhibition studies." First Interinational Congress of Biochemistry and Molecular Biology and 8th Iranian Congress of Biochemistry, Tehran, September 11-15, 2005 .

129) , , Mehran Habibi-Rezaei, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Structural changes of human serum albumin upon incubation of various concentration of glucose: fluorescence and circular dichroism approaches." 18th FAOBMB Symposium, Lahore, November 20-22, 2005 .

130) , , Ali akbar Sabouri, and Mohammadreza Ganjali. "Electrochemical studies on the entrapped hemoglobin by nafion and its application as a hydrogen peroxide biosensor." 18th FAOBMB Symposium, Lahore, November 20-22, 2005 .

131) , , , Ali akbar Sabouri, Parviz Nourouzi, Ali Akbar Moosavi-Movahedi, and Mohammadreza Ganjali. "Electrochemical studies on the entrapped hemoglobin by nafion and its application as a hydrogen peroxide biosensor." 18th Federation of Asian and Oceanian Biochemists and Molecular Biologists(FAOBMB) Symposium, Lahore, November 20-23, 2005 .

Palladium complex with bovine  $\beta_2$ -lactoglobulin-A and  $\beta$ VB." 18th FAOBMB Symposium, Lahore, November 20-23, 2005 .  
132) Sabouri, Ali akbar, and . "A comparative study on the interaction of a new

133) Sabouri, Ali akbar. "Structural changes of human serum albumin upon incubation of various concentration of glucose: fluorescence and circular dichroism approaches." 18th FAOBMB Symposium, Lahore, November 20-23, 2005 .

134) , , Ali akbar Sabouri, Hedayatollah Ghourchian, Parviz Nourouzi, Ali Akbar Moosavi-Movahedi, Mohammadreza Ganjali, and . "Electrochemical investigation on the ligand binding by hemoglobin." The FEBS Journal, V. 237, Istanbul, June 2-5, 2006 .

135) , , , Ali Akbar Moosavi-Movahedi, , , and Ali akbar Sabouri. "Conformational changes and transitional switch between regular secondary structures of LSAO induced by TFE: Relation to the protein aggregation." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

136) , , Ali akbar Sabouri, and . "Thermodynamics of metal ions binding to human growth hormone." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

137) , , Ali akbar Sabouri, , and . "Inhibition study on the catecholase activity of mushroom tyrosinase by new synthesized alkyl xanthates." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

138) , , , , and Ali akbar Sabouri. "Application of enzymatic inhibitors for catechol derivatives production." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

139) , , , Ali akbar Sabouri, and . "The effect of mobile electromagnetic field on the activity and structure of adenosine deaminase." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

140) , , and Ali akbar Sabouri. "Activation and inhibition of mushroom tyrosinase by different concentration of thiophenol." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

141) , , Ali akbar Sabouri, , , and . "Study of coordination of transferrin components with metal ions by using different methods." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

142) , , , Ali akbar Sabouri, Ali Akbar Moosavi-Movahedi, , , and Mohammadreza Ahmadi. "Structure activity relationship study on some of adenosine deaminase inhibitors." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

143) , , , , , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Lysine site determination of human serum albumin upon interaction with bilirubin in aqueous solution: Theoretical calculations." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

144) , , Ali akbar Sabouri, and . "Thermodynamics of Binding in the interaction of 2,2'-bipyridineoctyldithiocarbamate palladium (II) chloride with calf thymus DNA." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

145) , , Ali akbar Sabouri, , , and . "Stability and structural features of DNA interaction with ethidium bromide, acridine orange and methylene blue." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

146) , , Ali akbar Sabouri, and . "Binding studies of 2,2'-bipyridinehexyldithiocarbamate palladium (II) chloride with calf thymus DNA." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .

- 147) , , Ali akbar Sabouri, and . "Binding parameters in the interaction of 2,2'-bipyridinebutylthiocarbamate palladium (II) chloride with DNA." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 148) , , Behrouz Shahsavan Behboodi , and Ali akbar Sabouri. "Quaternary structure of mushroom tyrosinase." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 149) , , Ali Akbar Moosavi-Movahedi, Ali akbar Sabouri, and Mehran Habibi-Rezaei. "Specialization of Maillard reaction for HAS with glucose at different days of incubation." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 150) , , Ali akbar Sabouri, , and . "Spectroscopic studies on the interaction of DNA with 2,2'-bipyridinephenylthiocarbamate palladium (II) nitrate." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 151) Sabouri, Ali akbar. "A general theory for the enzyme inhibition." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 152) , , , , and Ali akbar Sabouri. "Site determination of modified acidic residues of adenosine deaminase: hydration free energy calculation." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 153) , , Ali Akbar Moosavi-Movahedi, Mohammadreza Ganjali, Ali akbar Sabouri, and . "Monitoring horse liver alcohol dehydrogenase aggregation during thermal unfolding by dynode voltage in circular dichroism spectroscopy." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 154) , , Ali akbar Sabouri, and . "Refolding studies of chemically denatured lactoglobulin types A and B." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 155) , , Ali akbar Sabouri, , and . "Interaction studies of 2,2'-bipyridinebenzylthiocarbamate palladium (II) nitrate with DNA." Seventh Iranian Biophysical Chemistry Conference, Tabriz, June 18-19, 2006 .
- 156) Sabouri, Ali akbar. "Isothermal titration calorimetry study on metal ions binding s." 20th IUBMB International Congress and 11th FAOBMB Congress: Life: Molecular Integration and Biological Diversity, Kyoto, June 18-23, 2006 .
- 157) , , and Ali akbar Sabouri. "The Inhibitory effect of thiophenol on the activity of tyrosinase." 31th FEBS Congress: Molecular in Health and Disease, Istanbul, June 24-29, 2006 .
- Pd (II) chloride)." 31th FEBS Congress: Molecular in Health and Disease, Istanbul, June 24-29, 2006 .  
Sabouri. "A study on the interaction between  $\gamma$ -lactoglobulin-A and a new antitumor reagent (2,2'-bipyridinglycinato  
158) , , and Ali akbar
- 159) , , Ali akbar Sabouri, , and . "Inhibition study on the cresolase activity of mushroom tyrosinase by new synthesized alkyl xanthates." 31th FEBS Congress: Molecular in Health and Disease, Istanbul, June 24-29, 2006 .
- 160) , , Mohammad Nabi Sar Boulouki, and Ali akbar Sabouri. "polymerosomes as drug delivery vehicles." 33rd annual meeting exposition of the controlled release society, Vienna , July 22-26, 2006 .
- 161) Bakhti, Mostafa, Mehran Habibi-Rezaei, , Hedayatollah Ghourchian, Ali akbar Sabouri, Ali Akbar Moosavi-Movahedi, and Seyed Jalal Zargar. "Electrochemical analysis of the glycation induced protein unfolding." 14th National & 2nd International Conference of Biology, Tehran, August 29-31, 2006 .
- 162) , , Mehran Habibi-Rezaei, , Hedayatollah Ghourchian, Ali akbar Sabouri, and . "Electrochemical analysis of protein structure change during glycation process." 14th National and 2 International Conference of Biology, Tehran, August 29-31, 2006 .
- 163) , , Ali akbar Sabouri, , Hedayatollah Ghourchian, Mohammadreza Ganjali, and . "Silver nanoparticles as electrontransfer factor in hemoglobine ligand binding." National and 2 International Conference of Biology, Tehran, September 29-1, 2006 .
- 164) , , Ali akbar Sabouri, , , Mohammadreza Ganjali, Ali Akbar Moosavi-Movahedi, and . "Silver nanoparticle as electron transfer in electrochemical ligand binding investigation of hemoglobin." 14th National & 2nd International Conference of Biology, Tabriz, September 29-1, 2006 .

165) , , Ali akbar Sabouri, and Shahin Ahmadiyan. "Electrochemical ligand binding investigation of hemoglobin using silver nanoparticles as electron transfer species." 1st International Chemistry Congress on ?Recent Challenges in Chemistry, Faisalabad, November 1-3, 2006 .

166) , , and Ali akbar Sabouri. "A new method for thermodynamic study on the binding of magnesium with hydrophobic core of human growth hormone." 1st International Chemistry Congress on ?Recent Challenges in Chemistry, Faisalabad, November 1-3, 2006 .

167) [], [], Ali akbar Sabouri, , and . "Agricultural and Agricultural Extension Development in Iran." Agricultural Congress, Kuala Lumpur, December 7-11, 2006 .

168) , , and Ali akbar Sabouri. "The effect of temperature on the binding of ethyl xanthate to mushroom tyrosinase copper ion binding on the structure and function of carbonic anhydrase." 9th International Symposium on Protein Structure Function Relationship, Karachi, January 11-14, 2007 .

169) , , Ali akbar Sabouri, , Ali Akbar Moosavi-Movahedi, and . "Cytotoxic and apoptotic effects of the novel synthesized palladium (II) complex: K562 as the target." 51th Annual Meeting of Biophysical Society, Baltimore, Maryland, March 3-7, 2007 .

170) , , and Ali akbar Sabouri. "Effects of temperature and pH on the kinetic properties of tyrosinase activity in the presence of thiophenol." 51th Annual Meeting of Biophysical Society, Baltimore, Maryland, March 3-7, 2007 .

171) , , Ali akbar Sabouri, and . "Comparing redox behavior of some proteins using a bromine modified silver electrode." 51th Annual Meeting of Biophysical Society, Baltimore, Maryland, March 3-7, 2007 .

172) Sabouri, Ali akbar. "Calorimetric studies on the interaction between some metal ions and myelin basic protein." 19th FAOBMB Congress: Science and Technology for the Integration of Life, Seoul, May 27-30, 2007 .

173) Moosavi-Movahedi, Ali Akbar, , , , Ali akbar Sabouri, and Mohammadreza Ganjali. "Prevention of in-vitro alcohol dehydrogenase thermal aggregation by the camel beta-casein chaperone." European Biophysics Congress, London, June 2-2, 2007 .

174) , , , Ali akbar Sabouri, and Mohsen Nemat Gorgani. "A study of thermally induced changes in the structure and activity of yeast hexokinase." 32nd FEBS Congress, Vienna, July 6-11, 2007 .

European Biophysical Societies? Association (EBSA) & British Biophysical Society Congress, London, July 14-18, 2007 .  
Ganjali. "Prevention of in vitro alcohol dehydrogenase thermal aggregation by the camel ?<sub>2</sub>-CN chaperone." 6rd  
175) , , , Ali akbar Sabouri, and Mohammadreza

176) , , Ali akbar Sabouri, , and Mohammad Nabi Sar Bouloki. "Biophysical studies on biodegradable triblock copolymers." 6rd European Biophysical Societies? Association (EBSA) & British Biophysical Society Congress, London, July 14-18, 2007 .

177) , , Ali akbar Sabouri, and . "A thermodynamic study on the binding of calcium ion with myelin basic protein." 12th Asian Chemical Congress (12ACC), Kuala Lumpur, August 23-25, 2007 .

178) , , , Mohamad reza Ehsani, , and Ali akbar Sabouri. "Tryptic chymotryptic hydrolysis of camel and bovine whole casein fractions: A comparative study." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

179) , , , and Ali akbar Sabouri. "Study on the interaction of sodium dodecyl sulfate and dodecyltrimethylammonium bromide with lysozyme by isothermal titration calorimetry." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

180) , , , and Ali akbar Sabouri. "The Role of phosphate in thermal aggregation of yeast hexokinase II." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

181) , , , , Ali akbar Sabouri, Ali Akbar Moosavi-Movahedi, and . "Camel alpha-S1 casein: thermal behavior of phosphorylated and dephosphorylated states." 2nd International Congress on Biochemistry and Molecular Biology, Shiraz, November 29-1, 2007 .

182) , , Ali akbar Sabouri, and Hedayatollah Ghourchian. "The effect of Temperature and PH on structure and function of choling oxidase." The 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

183) , , , , , and Ali akbar Sabouri. "An invitro comparative study of ascorbic acid and FSH effects on the maturation of syrian mice follicles." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

184) , , Ali akbar Sabouri, and . "An inhibition study on mushroom tyrosinase by alkyl xanthates." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

185) , , , Mohamad reza Ehsani, , Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Tryptic and chymotryptic hydrolysis of camel and bovine whole casein fractions: A comprative study." 2nd International Congress on Biochemistry and Molecular Biology, Shiraz, November 29-1, 2007 .

186) , , Ali akbar Sabouri, , and . "Electrochemical behavior of redox proteins immobilized on riboflavin-nafion film modified gold electrode." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

187) , , Ali akbar Sabouri, and . "The effect of pH on the structure and function of choline oxidase." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

188) , , Ali akbar Sabouri, , and Ali Akbar Moosavi-Movahedi. "Purification of camel alpha-lactalbumin and comparison of it?s thermal stability with bovine alpha-lactalbumin." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

189) , , Ali akbar Sabouri, and . "Comarative study of structural changes of beta caseins underthermal stress." Second International Congress of Biochemistry and Molecular Biology and 9th Iranian Congress of Biochemistry, Shiraz, November 29-1, 2007 .

190) , , , Ali akbar Sabouri, and Mohsen Nemat Gorgani. "The role of phosphate in thermal aggregation of yeast hexokinase2." The 9th Iranian Congress of Biochemistry & The 2nd International Congress of Biochemistry and Molecular Biology, Shiraz, November 29-3, 2007 .

191) , , Ali akbar Sabouri, and . "Characterization study for Nano- compositions of methylene blue - and riboflavin - Nafion on the electrode surface." Iran's First International Conference on Biomaterials, Tehran, November 12-15, 2007 .

192) , , Ali akbar Sabouri, , Mohammadreza Ganjali, , , Ali Akbar Moosavi-Movahedi, and . "Design an electro active ribofalvin-nafion film to be used in electrochemical investigations." First Iran International Conference on Biomaterials, Tehran, November 12-15, 2007 .

193) , , Ali akbar Sabouri, Parviz Nourouzi, , Mohammadreza Ganjali, , and Ali Akbar Moosavi-Movahedi. "Characterization and immobilization studies of riboflavin-nafion film on the surface of gold electrode." Iran's First International Conference on Biomaterials, Tehran, November 12-15, 2007 .

194) , , Ali akbar Sabouri, , Parviz Nourouzi, , , Mohammadreza Ganjali, and . "Design of an electro-activity riboflavin-nafion film to be used in electrochemical investigations." Iran's First International Conference on Biomaterials, Tehran, November 12-15, 2007 .

195) Bohlooli, Mousa, F.. Taghavi, Mehran Habibi-Rezaei, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. " Enhancement of reversibility for human serum upon incubation with hydroxybutyrate: Differential scanning calorimetry approach." The first international and 11th Iranian Biophysical Chemistry Confrence,, June 13-15, 2012 .

196) Goodarzi, M., Mehran Habibi-Rezaei, Ali akbar Sabouri, Hedayatollah Ghourchian, M.. Shourian, and Ali Akbar Moosavi-Movahedi. "Study of ROS production manner during hemoglobin fruction and its relation to heme degradation." The first international and 11th Iranian Biophysical Chemistry Confrence,, June 13-15, 2012 .

197) Hekmat, Azadeh, and Ali akbar Sabouri. "The conformational change of DNA by mobile phone radiofrequency (940 MHz)." First International Conference on Environmental Crisis and its Solutions,, February 13-14, 2013 .

- 198) Hekmat, Azadeh, and Ali akbar Sabouri. "The effects of TiO<sub>2</sub> nanoparticles on inhibition and stimulation of MCF7 cells and human endometrial adult stem cells." 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry,, April 16-19, 2013 .
- 199) Moosavi-Movahedi, F., Ali akbar Sabouri, H.. Hadi, and Ali Akbar Moosavi-Movahedi. "New mechanism for thermal denaturation of horse liver alcohol dehydrogenase." 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry,, April 16-19, 2013 .
- 200) Behroozi, J., , Ali akbar Sabouri, and N.. Poursasan. "Bee venom decreases the complications of diabetes by preventing hemoglobin glycation." 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry,, April 16-19, 2013 .
- 201) Pourhosseini, P.S., R.. Amani, Ali akbar Sabouri, and F.. Najafi. "Study on the interaction of bovine insulin to LnEmLn triblock copolymer." 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry,, April 16-19, 2013 .
- Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry,, April 16-19, 2013 .
- Parivar, , and M.. Amanlou. "A computational study on oxali-palladium interaction with  $\beta$ -Lactoglobulin." 5th International
- 202) Ghalandari, B., , Ali akbar Sabouri, M.. Eslami-Moghadam, K..
- 203) Khodabakhshian, S., , Ali akbar Sabouri, and H.. Mansouri-Torshizi. "Probing the interaction of a new synthesized anti-cancer compound of 1,10-phenanthroline hexyl dithiocarbamate palladium(II) nitrate with human serum albumin." 5th International Congress of Biochemistry and Molecular Biology & 13th Iranian Congress of Biochemistry,, April 16-19, 2013 .
- 204) Pourhosseini, P.S., R.. Amani, F.. Najafi, and Ali akbar Sabouri. "Protein formulations based on biodegradable block copolymers." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 205) Fotouhi, L., N.. Salehi, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Structural and functional survey on interaction of human hemoglobin with n-alkyl sulfates homologues." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference, Tabriz, May 22-24, 2013 .
- 206) Mazaheri, M., Ali akbar Sabouri, Mehran Habibi-Rezaei, and Ali Akbar Moosavi-Movahedi. "The study of seeding effects on fibrillation of bovine serum albumin." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference, Tabriz, May 22-24, 2013 .
- 207) Kachooei, E., A.. Ghasemi, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Study of lysozyme amyloid fibril formation in the presence of taxol as a polyphenol inhibitor." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 208) Alijanianzadeh, M., Ali akbar Sabouri, Mohammadreza Ganjali, H.. Hadi-Alijanvand, and Ali Akbar Moosavi-Movahedi. "The inhibitory effect of a new synthesized ligand on mushroom tyrosinase." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference, Tabriz, May 22-24, 2013 .
- 209) Bohlooli, Mousa, Mehran Habibi-Rezaei, F.. Taghavi, Ali akbar Sabouri, Z.. Moosavi-Movahedi, P.. Maghami, and Ali Akbar Moosavi-Movahedi. "Fasting inhibits advanced glycation end products (AGEs) in human serum albumin upon incubation with 3- $\beta$ -hydroxybutyrate." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 210) Moosavi-Movahedi, F., Ali akbar Sabouri, Mousa Bohlooli, and Ali Akbar Moosavi-Movahedi. "Effects of silica nanoparticle ionic liquid as a green additive on thermal reversibility of horse liver alcohol dehydrogenase." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 211) Goodarzi, M., Ali akbar Sabouri, Mehran Habibi-Rezaei, and Ali Akbar Moosavi-Movahedi. "Destructive effect of fructation on hemoglobin via oxygen transporter molecule (heme)." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .



- First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .  
 "Isothermal titration calorimetry study of heme-imidazole complex in camel  $\beta$ -casein as a caseoperoxidase."  
 212) Moosavi-Movahedi, Z., M.S. Atri, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi.
- 213) javid, Ameneh, Shahin Ahmadiyan, Ali akbar Sabouri, S.M. Kalantar, and S.. Rezaei-Zarchi. "Novel biodegradable heparin-based nanocomposite system for targeted drug delivery against human ovarian cancer." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 214) Bazl, R., , Mohammadreza Ganjali, Ali akbar Sabouri, A.R. Foroumadi, P.. Nourozi, and M.. Amanlou. "A new strategy based on pharmacophore-based virtual screening in adenosine deaminase inhibitor s detection and in-vitro study." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 215) Izadi, Z., , M.. Razmi, Ali akbar Sabouri, and H.. Mansuri- Torshizi. "Synthesis and in vitro evaluation of drug-loaded nanoparticles as new drug delivery system fot colon cancer." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 216) Meratan, A.A., A.. Ghasemi, Ali akbar Sabouri, and Mohsen Nemat Gorgani. "Study on the specific activity of mitochondrial membrane-bound enzymes upon interaction with lysozyme amyloid aggregates." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 217) Delavari, B., , M.S. Atri, and Ali akbar Sabouri. "Investigation of the interaction of vitamin D3 with bovine alpha-lactalbumin." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 218) Sabouri, Ali akbar, and M.S. Atri. "Interaction of gemini surfactant with alpha-lactalbumin." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 219) Sabouri, Ali akbar. "Status of researches in biological sciences." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 220) Sanginabady, F., E.. Sanginabady, , Ali akbar Sabouri, N.. Gheibi, and M.. Sanginabady. "Fluorescence spectroscopic studies of the interaction between nanoemulsion including drug with human hemoglobin." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 221) , , S.. Khodabakhshian, Ali akbar Sabouri, , and M.. Evini. "Probing of the interaction between human serum albumin and a new synthesized Pd(II) complex using spectroscopic methods." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 222) Khammari, A., Mohammad Hosein Karimi-Jafari, and Ali akbar Sabouri. "Interaction between (E)- 3 -(3-(2,3-dimethoxyphenyl) acryloyl)- 6- hydroxy -2H- chromen-2- one (DAC) with human serum albumin." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 223) Pirhaghi, M., P.S. Pourhosseini, F.. Najafi, and Ali akbar Sabouri. "Studies on gemini surfactants as membrane mimetics." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 224) Ghasemi, Z., Mohammad Hosein Karimi-Jafari, and Ali akbar Sabouri. "Investigation of the interaction of anti asthma drugs with human serum albumin (HSA)." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 225) Karbasi, E., , Ali akbar Sabouri, and H.. Mansouri-Torshizi. "Interaction study of bovine beta-lactaglobulin with a new designed Pd (II) complex by fluorescence spectroscopy." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .
- 226) Rahimi-Vaghar, R., , Ali akbar Sabouri, and H.. Mansouri-Torshizi. "The structural changes in human hemoglobin upon interaction with a new designed Pd (II) complex." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .

approach." First Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .  
B., M.. E-Moghadam, , Ali akbar Sabouri, and K.. Parivar. "Binding of oxali-palladium to  $\beta$ -lactoglobulin: A spectroscopic  
227) Ghalandari,

228) Behroozi, J., , and Ali akbar Sabouri. "Decreasing hemoglobin glycation in a diabetic condition by bee venom." First  
Tabriz International Life Science & 12nd Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .

229) Razmi, M., , Z.. Izadi, Ali akbar Sabouri, and H.. Mansuri- Torshizi. "Characterization and cytotoxicity of platinum  
anticancer complex encapsulated in beta-casein-chitosan nanoparticles." First Tabriz International Life Science & 12nd  
Iranian Biophysical Chemistry Conference,, May 22-24, 2013 .

230) Fotouhi, L.,, Ali Akbar Moosavi-Movahedi, S.. Yousefinejad, Mostafa Shourian, and Ali akbar Sabouri. "Comparison of  
heme degradation patterns during interaction of hemoglobin with n-alkyl sulfates." 18th International Union of Pure and  
Applied Biophysics (IUPAB) Congress,, August 3-7, 2014 .

231) Bigdeli, B., B.. Delavari, S.. Samaei Daryan, Ali akbar Sabouri, and B.. Goliaei. "Biophysical and molecular  
investigation of the interaction between enterolactone and human serum albumin." 60th Annual Meeting of Biophysical  
Society,, March 27-2, 2016 .

232) Azadimanesh, F., A.. Divsalar, Ali akbar Sabouri, and K.. Parivar. "Cytotoxicity effects of a new designed  
oxali-palladium nanoparticles against human colon cancer cell lines." Proceedings of the 6th international conferences  
nanostructures,, March 7-10, 2016 .

233) Aliakbari, F., D.. Morshedi, A.. Shabani, H.. Mohammad Beigi, H.. Bardania, H.. Tayaranian Marivan, Ali akbar  
Sabouri, and S.. Abbas Shojaosadati. "Neurotoxicity of pre-incubated Alpha-synuclein with differents concentrations of  
nanoliposome on the PC12 and SHSY5Y cell lines." Proceedings of the 6th international conference nanostructures,,  
March 7-10, 2016 .

234) Ashkevarian, S., J.. Badraghi, Ali akbar Sabouri, A.. Banaei, and E.. Pourfakhraei. "Testing of lipase enzyme activity  
using multi -wall carbon nano tubes." Proceedings of the 6th international conferences on nanostructures,, March 7-10,  
2016 .

235) Aliakbari, F., D.. Morshedi, A.A. Shabani, H.. Mohama Beigi, H.. Bardania, H.. Tayaranian Marvian, Ali akbar  
Sabouri, and S.A. Shojaosadati. "Neurotoxicity of pre-incubated alpha-synuclein with different concentrations of  
nanoliposome on the PC12 and SHSY5Y cell lines." International Conference on Nanostructures,, March 7-10, 2016 .

236) Aliakbari, F., D.. Morshedi, A.A. Shabani, H.. Bardania, C.. Sue, A.T. Marvian, S.A. Shojaosadati, and Ali akbar  
Sabouri. "The effects of different concentrations of nanoliposome on the fibrillation of alpha-synuclein." 5th Asian and  
Oceanian Parkinson's Disease and Movement Disorders Congress,, March 11-13, 2016 .

237) Taghavi, F.,, Mehran Habibi-Rezaei, M.. Bohlooli, Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "The  
comparative studies of potassium sorbate and sodium benzoate upon treated with human serum albumin." 3rd World  
Congress on Maillard Reaction & Glycation,, May 26-27, 2016 .

cancer oral drug delivery." The 6th international congress on nanoscience and nanotechnology,, October 26-28, 2016 .  
B., A.. Divsalar, and Ali akbar Sabouri. "Evaluation of  $\beta$ -lactoglobulin ability based nanoparticle for presence in colorectal  
238) Ghalandari,

239) Saeidifar, Maryam, Sh. Khoramian, A.. Zamanian, and Ali akbar Sabouri. "The adsorption of human gamma globulins  
to magnetic iron oxide nanoparticles to cancer treatments." The 6th international congress on nanoscience and  
nanotechnology,, October 26-28, 2016 .

240) Kazemi, F., A.. Divsalar, and Ali akbar Sabouri. "Investigation of structural changes in human haemoglobin resulted  
interaction with propolis nanoparticles." The 6th international congress on nanoscience and nanotechnology,, October  
26-28, 2016 .

241) Sabouri, Ali akbar. "EFvaluation of Hill coefficient from scatchard and klotz plots." First Interantional Congress of  
Chemistry and Chemistry and chemical engineering,, January 1, 1993 .

- 242) Sabouri, Ali akbar. "Effects of some polyalcohols on the interaction between horse radish peroxidase and dodecyl trimethylammonium bromide." 54rd Annual Meeting of Biophysical Society,, January 1, 2001 .
- 243) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Thermodynamic study of chemical modification at the active site of adenosine deaminase." Third Iranian Biophysical Chemistry Seminar,, January 1, 1999 .
- 244) Sabouri, Ali akbar, and . "Effect of sucrose on the interaction between  $\alpha$ -amylase and DTAB." Fourth Iranian Biophysical Chemistry Seminar,, January 1, 2000 .
- 245) Sabouri, Ali akbar. "Modification of adenosine deaminase by diethyl purocarbamate and wood -ward reagent in the presence and in the absence of nucleosides." The Fifth Iranian Biochemistry Congress,, January 1, 1999 .
- 246) Sabouri, Ali akbar. "Microcalorimetry and spectroscopy studies on the stability of glucose oxidase and the effect of some osmolytes." Third Iranian Biophysical Chemistry Seminar,, January 1, 1999 .
- 247) Sabouri, Ali akbar, , and . "Kinetic studies on the reaction of sulphhydryl reagent with D-amino acid oxidase in the presence of guanidine hydrochloride." 17th International Congress of Biochemistry and Molecular Biology,, January 1, 1997 .
- 248) Sabouri, Ali akbar. "Isothermal titration microcalorimetric study on the interaction of sodium dodecyl sulphate with some globular proteins." 12th International Congress on Thermal Analysis and Calorimetry,, January 1, 2000 .
- 249) Sabouri, Ali akbar, and . "Isothermal titration microcalorimetric study on the interaction of sodium dodecyl sulphate with some globular proteins." 15th FAOBMB Symposium,, January 1, 2000 .
- 250) Sabouri, Ali akbar, , and . "Investigation on the hydrophobic effect in DNA surfactant interaction by ionselective membrane electrode." 8th International Congress on ElectroAnalysis,, January 1, 2000 .
- 251) Sabouri, Ali akbar, and . "Improved thermostability of  $\alpha$ -amylase by calcium binding." 15th FAOBMB Symposium,, January 1, 2000 .
- 252) Sabouri, Ali akbar. "Effect of conalbumin on the activity and thermal denaturation of amylase." 42nd Annual Meeting of Biophysical Society,, December 30, 1997 .
- 253) Sabouri, Ali akbar. "Effect of calcium binding on the stability and biological activity of  $\alpha$ -amylase." 44rd Annual Meeting of Biophysical Society,, January 1, 2000 .
- 254) Sabouri, Ali akbar. "Distribution of science in the world." Fourth Iranian Biophysical Chemistry Seminar,, January 1, 2000 .
- 255) Sabouri, Ali akbar. "The comparative stability and accessible surface area of avian and vertebrate hemoglobins." 15th FAOBMB Symposium,, January 1, 2000 .
- 256) Sabouri, Ali akbar. "Thermodynamics of denaturation of amylase with dodecyl trimethylammonium bromide in the presence of sucrose." Fourteen Symposium of the Protein Society,, January 1, 2000 .
- 257) Sabouri, Ali akbar. "Thermodynamic studies on the interaction of bovine liver catalase and cyanide." 5th International Symposium on protein structure Function Relationship,, January 1, 1997 .
- 258) Sabouri, Ali akbar. "Thermodynamic of hemoglobin and hexadecyl pyridinium bromide interaction at various pH." 15th FAOBMB Symposium,, January 1, 2000 .
- 259) Sabouri, Ali akbar. "Thermodynamic analysis of hemoglobin under hexadecyl pyridinium bromide." Third Iranian Biophysical Chemistry Seminar,, January 1, 1999 .
- 260) Sabouri, Ali akbar. "Thermodynamic of binding zinc ion to myelin basic protein." 45rd Annual Meeting of Biophysical Society,, January 1, 2001 .
- 261) Sabouri, Ali akbar. "Thermodynamic studies of the interaction of human serum albumin with 2,2'-bipyridinegluconato palladium (II)chloride." 37th IUPAC Congress Molecular Basis of the Life Sciences,, January 1, 1999 .
- 262) Sabouri, Ali akbar. "Thermodynamic elucidation of the transition point for denaturation profile of horseradish peroxidase by surfactants." Second European Symposium of the Protein Society,, January 1, 1997 .

263) Sabouri, Ali akbar, and . "The mechanism of HI-KNA complex dissociation by sodium dodecyl sulfate." Fourth Iranian Biophysical Chemistry Seminar,, January 1, 2000 .

264) Sabouri, Ali akbar. "The mechanistic study on the interaction of bromide for the kighten ofn transition midpiont." International symposium by the Association of Biomolecular research facilities,, December 30, 1989 .

265) Sabouri, Ali akbar. "The conformational states of cytochrom-c by titrimetry." 44rd Annual Meeting of Biophysical Society,, January 1, 2000 .

266) Sabouri, Ali akbar. "Structrual analysis of adenosine deaminase active site via chemical modi fication." Fourth Iranian Biophysical Chemistry Seminar,, January 1, 2000 .

267) Sabouri, Ali akbar. "Structural and nbiological activity effects of NADPH on the catalase in the presence of natural inactivator metabolism." Third Iranian Biophysical Chemistry Seminar,, January 1, 1999 .

268) Sabouri, Ali akbar, and . "Stability and binding propertiwis of a-amulase upon interaction with calcium." 12th International Congress on Thermal Analysis and calarimerty,, January 1, 2000 .

269) Sabouri, Ali akbar. "Phsicochemical studies on the interaction of divalent metal ions with urease." Fourth Iranian Biophysical Chemistry Seminar,, January 1, 2000 .

270) Sabouri, Ali akbar. "The comparision of unfolding of apo and native forms of a-lactalbunin in the presence of cationic surfactant." Second Seminar on Ligand-Biomacromoleculre Interaction and protein dematuration,, January 1, 1997 .

271) Sabouri, Ali akbar. "Simpes movel methods with new epuations for studding the combined inhibitory effects." The Fourth Biochemistry Congress,, January 1, 1997 .

272) Sabouri, Ali akbar. "Tehrmodynamical invesigation of bovine and pigeonhfemoglonbibns by interaction with sodium n-didecyl sulphate." 7th congress of the Federation of Asia and Oceanian biochemisits and Molecular Billogists,, January 1, 1995 .

273) Sabouri, Ali akbar. "A novel mothod for investigation on kinetic stability of proteins." Third Iranian Biophysical chemistry Seminar,, January 1, 1999 .

274) Sabouri, Ali akbar. "A nalysis of thermal denaturation for peroxidase in the presence of m,etal ions." Fourth Iranian Biophysical Chemistry Seminar,, January 1, 2000 .

275) Sabouri, Ali akbar. "A microcalorimetry and spectroscopy study on spontaneus inactivation yeast alcohol dehydrogena." 8th congeress of the Federation of Asia and oceania Biochemists and Molecul,, December 30, 1997 .

276) Sabouri, Ali akbar, and . "Analysis of binding isotherms for bovine a lactalbumin an dn-tetradecyl trimethylammonium nbromide based on three sets of binding sites." 43rd Annual Meeting of Biophysical Society,, January 1, 1999 .

277) Sabouri, Ali akbar. "Elucidation of ninding site for protein denaturation surfactan." protein structure Function Relationship Symposium,, January 1, 1997 .

278) Sabouri, Ali akbar. "Investigation onthe effect of some ions on the stability of apo a-lactalbunin." Third Iranian Biophysical chemistry Seminar,, January 1, 1999 .

279) Sabouri, Ali akbar. "Development of titration calorimetric methods." Second Seminar on Ligand-Biomacromoleculre Interaction and protein dematuration,, January 1, 1997 .

280) Sabouri, Ali akbar. "Comparative thermodumamic stability and kinetic of lactaglobukin A and B." Iranian second congress of biology,, January 1, 1997 .

281) Sabouri, Ali akbar. "Thrermodynamics studies the interaction of bovion liver catalase and syan." protein structure function Relationship symposium,, January 1, 1997 .

282) Sabouri, Ali akbar. "Thfermodynamics studies for -lactalbunin with interaction of n-alkyl trimethylammonium bromide." The Fourth Biochemistry Congress,, January 1, 1997 .

- 283) Sabouri, Ali akbar. "The microcalorimetry and spectroscopic study of DNA-Aspirin interaction." The Fourth Biochemistry Congress,, January 1, 1997 .
- 284) Sabouri, Ali akbar. "Thermodynamic denaturation of apo and haemoglobin with dodecyl trimethylammonium bromide." Twelfth symposium of the protein society,, December 30, 1997 .
- 285) Sabouri, Ali akbar. "The effects of glycine on the interaction of urease and n-dodecyl trimethylammonium bromides." The Fourth Biochemistry Congress,, January 1, 1997 .
- 286) Sabouri, Ali akbar. "Thermodynamic studies of denaturation of bovine serum albumin with hexadecyl pyridinium bromide by surfactant selective electrode." Second Seminar on Ligand-Biomacromolecule Interaction and protein denaturation,, January 1, 1997 .
- 287) Sabouri, Ali akbar. "Thermodynamic investigation of bovine and pigeon hemoglobin interaction with sodium dodecyl sulphate." 7th FAOB congress,, January 1, 1995 .
- 288) Sabouri, Ali akbar. "Thermodynamic elucidation of the transition point for denaturation profile on horseradish peroxidase surfactants." 2nd European symposium of the protein society,, January 1, 1996 .
- 289) Sabouri, Ali akbar. "The effects of binding of 2,2'-bipyridine glycinate palladium (II) chloride on the structure of human serum albumin." Third Iranian Biophysical chemistry Seminar,, January 1, 1999 .
- 290) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Potentiometric titration of horseradish peroxidase in the presence of n-dodecyl trimethylammonium bromide." Second Seminar on Ligand-Biomacromolecule Interaction and protein denaturation,, January 1, 1997 .
- 291) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Elucidation of binding sites for protein denaturation by surfactant." 5th International Symposium on protein structure Function Relationship,, January 1, 1997 .
- 292) Sabouri, Ali akbar, and Ali Akbar Moosavi-Movahedi. "Thermodynamic studies of the interaction of human serum albumin with 2,2' bipyridine glycinate palladium (II) chloride." 13th Iranian Chemistry and Chemical Engineering Congress,, January 1, 1999 .
- 293) Sabouri, Ali akbar. "Free energy and the position of dissociation titrimetry." 44rd Annual Meeting of Biophysical Society,, January 1, 2000 .

#### همایش‌های داخلی

- 1) Rashidnia, R., Ali akbar Sabouri, and R. Rofougaran. "Thermodynamic stability of mouse Ribonucleotide Reductase R2 protein." 15th Iranian Physical Chemistry Conference,, September 3-6, 2012 .
- 2) Pourhosseini, P.S., R. Amani, Ali akbar Sabouri, F. Najafi, and M. Imani. "Physical chemistry study of LnEmLn block copolymeric micelles for protein delivery." 15th Iranian Physical Chemistry Conference,, September 3-6, 2012 .
- 3) Rezaei-Behbehani, G., Ali akbar Sabouri, and Sh. Rafiei. "A thermodynamic study on the binding of human serum albumin with beta-cyclodextrin." 15th Iranian Physical Chemistry Conference,, September 3-6, 2012 .
- human serum albumin by 3- $\beta$ -hydroxybutyrate." 16th Iranian Physical Chemistry Conference,, October 29-31, 2013 .
- M. Khajeh, Mehran Habibi-Rezaei, and Ali Akbar Moosavi-Movahedi. "Investigation of thermodynamic stability of modified
- 4) Bohlooli, Mousa, F. Taghavi, P. Maghami, Ali akbar Sabouri, A. Shokravi, M. Sanchooli,
- 5) Pourhosseini, P.S., R. Amani, Ali akbar Sabouri, and F. Najafi. "Biodegradable PLA/PEG micelles for controlled release of peptide drugs." The 1st Middle East & The 6th Iranian Controlled Release Conference,, February 25-27, 2014 .
- 6) Pirhaghi, M., P.S. Pourhosseini, F. Najafi, and Ali akbar Sabouri. "Interaction of insulin with cationic gemini surfactants vehicles." The 1st Middle East & The 6th Iranian Controlled Release Conference, Razi International Conference Hall,, February 25-27, 2014 .
- 7) Nedaei, H., Ali akbar Sabouri, A.A. Meratan, and M. Falahati. "Lysozyme fibrillation inhibition by phloridzin small molecules." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

8) Naderi-Jelodar, T., A. Ghasemi, Ali akbar Sabouri, M.A. Ebrahimi, and S. Shariatizi. "Inhibition study on lysozyme fibrillation by safranal and crocin small molecules." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

9) Moradi, M., A. Divsalar, and Ali akbar Sabouri. "Studying the side effects of deferasirox on the structure and function of liver catalase." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

10) Shariatizi, S., A.A. Meratan, , D.. Morshedi, Ali akbar Sabouri, and M.. Nemat-Gorgani. "Inhibition of lysozyme fibrillogenesis and cytotoxicity by resveratrol." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

11) Esfandfar, P., M.. Falahati, and Ali akbar Sabouri. "Lysozyme fibrillation inhibition by fisetin and diadzin small molecules." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

12) Soleymani, H., and Ali akbar Sabouri. "Study on the interaction of vitamin D3 with insulin." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

13) Poursoleiman, A., Ali akbar Sabouri, Mojtaba Bagheri, and Mohammad Hosein Karimi-Jafari. "A thermodynamics study of the interaction between human serum albumin and polymyxin B as A group of peptide antibiotics." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications, Shiraz, December 10-11, 2014 .

14) Moosavi-Movahedi, F., Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Conformational locks and thermal kinetics of Silica nanoparticle ionic liquid on horse liver alcohol dehydrogenase." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

15) Roqanian, Sh., A.A. Meratan, Shahin Ahmadiyan, M.. Shafiezhadeh, A.. Ghasemi, and Ali akbar Sabouri. "Inhibition of lysozyme amyloid fibril-induced reduction of brain hexokinase activity by resveratrol." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

16) Mazaheri, M., Ali akbar Sabouri, and Ali Akbar Moosavi-Movahedi. "Effects of some toxins on fibrillation processes of proteins." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

17) Pirhaghghi, M., P.S. Pourhosseini, Ali akbar Sabouri, and F.. Najafi. "Spectroscopic evidence for the formation of insulin-cationic gemini surfactant complex." The National Conference on Protein & Peptide Sciences: From Basic to Medical and Industrial Applications,, December 10-11, 2014 .

18) Abazari, O., Z. Shafaei, R.. Karimi, , Mahbobeh Esmaeli- Moghadam, and Ali akbar Sabouri. "Induction structural alterations in human hemoglobin by an anti-cancer compound of amy-glycine 1, 10-phenanthroline platinum nitrate." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

19) Nedaei, H., Ali akbar Sabouri, and Ali Akbar Meratan. "Inhibition of amyloid fibrillation of lysosyme by phloridzin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

20) Azadimanesh, F., , Ali akbar Sabouri, K.. Parivar, and Mahbobeh Esmaeli- Moghadam. "Green synthesis of oxali-platinum nanoparticles using silybum marianum extract." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

21) Momeni, L., B.. Shareghi, and Ali akbar Sabouri. "Effect of osmolytes on the structure and activity of trypsin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

on the interaction of  $\alpha$ -tocopherol with human insulin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

22) Soleymani, H., Ali akbar Sabouri, and S.. Yousefinejad. "Study

23) Hekmat, A., and Ali akbar Sabouri. "The interaction between cobalt-zinc ferrite nano particles and DNA and inducing of apoptosis in T47D cell line." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

- 24) Ghalandari, Behafarid, M., Eslami-Moghadam, and Ali akbar Sabouri. "Multi spectroscopic study on oxaliplatin interaction with  $\alpha$ -lactoglobulin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 25) Entezari heravi, Yeganeh, Hasan Sereshti, B., Ghasemi, and Ali akbar Sabouri. "3D QSAR studies, pharmacophore modeling and virtual screening of some new Diarylpyrrazole-benzensulfonamide derivatives as human carbonic anhydrase II inhibitors." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 26) Hosseini-Koupaei, M., B. Shareghi, and Ali akbar Sabouri. "Kinetics studies on the proteinase K in the presence of Fe<sub>3</sub>O<sub>4</sub> magnetic nanoparticles." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 27) Kazemi, F., , Ali akbar Sabouri, O., Abazari, and U., Sahebi. "Design and production of nanopropolis via green chemistry." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 28) Lotfabadi, A.R., R., Dinarvand, M., Mahmoudi, Ali akbar Sabouri, and H., Derakhshankhah. "Study of interaction between Fibrinogen and gold nanoparticles." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 29) Mohammadirad, M., Ali akbar Sabouri, Atiyeh Ghasemi, and Behdad Delavari. "Chemical synthesis of silver nanoparticles: Affects on adsorption of human serum albumin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 30) Derakhshankhah, H., R., Dinarvand, M., Mahmoudi, Ali akbar Sabouri, and E., Barzegari. "Fibrinogen and A $\beta$ -peptide interaction: Alzheimer disease." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 31) Naderi-Jelodar, T., M., Dehghan, Ali akbar Sabouri, and M.A Ebrahimi. "Amyloid aggregation of lysosyme: The inhibition study of saffron small molecules." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 32) Noorizadeh, S., , M., Eslami-Moghadam, S., Abbasi-Dezfuli, and Ali akbar Sabouri. "Biochemical study of a new design platinumium complex interaction with human serum albumin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 33) Pirhaghi, M., P.S. Pourhosseini, Ali akbar Sabouri, and Farhood Najafi. "Structural change in insulin induced by complexation with a cationic gemini surfactant." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 34) Shariatizi, S., Ali Akbar Meratan, Atiyeh Ghasemi, Ali akbar Sabouri, and Mohsen Nemat Gorgani. "Resveratrol redirect lysosyme from its normal amyloid formation pathway into nontoxic amorphous aggregates." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 35) Abazari, O., U., Sahebi, , and Ali akbar Sabouri. "In vitro decreasing of human hemoglobin glycation by propolis." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 36) Abbasi-Tejarag, Kh., , and Ali akbar Sabouri. "Reducing the stability of human hemoglobin due to interaction with oxali-platinum." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 37) Sabouri, Ali akbar, , Behafarid Ghalandari, and M., Razmi. "Production of milk proteins nanocapsules for oral drug delivery systems in cancer therapy." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 38) Eskandari, P., Ali akbar Sabouri, and M., Khoobi. "Enzyme responsive release from nanogated ensemble based on gold nanoparticles-capped mesoporous silica." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 39) Behroozi, J., , Ali akbar Sabouri, and Atiyeh Ghasemi. "Effects of bee venom on the structural alterations in human hemoglobin during fructation." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 40) Abbasi-Tejarag, Kh., , and Ali akbar Sabouri. "A spectroscopy study on the interaction between oxali-platinum and human hemoglobin." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 41) Poursoleiman, A., Ali akbar Sabouri, Mohammad Hosein Karimi-Jafari, and Mojtaba Bagheri. "Binding of polymyxin B to human serum albumin: Thermodynamics and theoretical approach." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .
- 42) Fotouhi, leyla, Ali akbar Sabouri, and Mehran Habibi-Rezaei. "Heme degradation and ROS production upon interaction of hemoglobin with n-alkyltrimethylammonium bromides." 13rd Iranian Biophysical Chemistry Conference,, May 26-27, 2015 .

- 43) Hosseini Kopaei, M., B. Shareghi, Ali akbar Sabouri, A. Semnani, F. Davar, and F. Raisi. "Exploring the thermal stability and activity of proteinase K in the." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 44) Sahebi, U., A. Divsalar, and Ali akbar Sabouri. "Comparison on the inhibitory effects of propolis on the structural changes of glycosylated human hemoglobin resulted glucose and fructose." The second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 45) Ghobadi, R., A. Divsalar, A. Harifi Mood, Ali akbar Sabouri, and M. Eslami-Moghadam. "The effects of a novel phenanthroline-imidazole derivative of." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 46) Poursoleiman, Atefeh, A. Divsalar, Ali akbar Sabouri, and M. Eslami Moghadam. "A thermodynamic approach of the interaction between human." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 47) Sahebi, U., A. Divsalar, and Ali akbar Sabouri. "Investigating on the synergistic inhibitory effect of aspirin and." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 48) Ghasemi Tabesh, R., P.S. Pourhosseini, Ali akbar Sabouri, and Farhood Najafi. "Effect of spacer length of the synthetic cationic urethane gemini." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 49) Naderi jelodar, T., Marzieh Dehghan shasaltaneh, Ali akbar Sabouri, M.A. Ebrahimi, and Atiyeh Ghasemi. "The survey of the effect of crocin and saffranin in terms of the." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 50) Eskandari, Parvaneh, Ali akbar Sabouri, and M. Khoobi. "Gold nanoparticles-capped mesoporous silica for enzyme responsive." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 51) Hosseini Kopaei, M., B. Shareghi, Ali akbar Sabouri, F. Davar, and A. Semnani. "Weak interaction at nanoparticles alter function and conformation." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- nano-vehicles for oral drug delivery systems." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 52) Divsalar, A., and Ali akbar Sabouri. "Application of  $\beta$ -casein
- 53) Zolmajd Haghighi, Z., Q. Hanley, and Ali akbar Sabouri. "Homo-FRET in labeled proteins by steady-state fluorescence." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- of  $\beta$ -lactoglobulin for presence in nano scale." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 54) Ghalandari, B., A. Divsalar, and Ali akbar Sabouri. "Potential application
- 55) Najaran, A., A. Divsalar, Ali akbar Sabouri, and N. Rudbani. "A spectroscopic study on the interaction of blood carrier protein of." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 56) Azami-Movahed, M., A.A. Meratan, Atiyeh Ghasemi, A. Ebrahim-Habibi, Ali akbar Sabouri, and M. Nemat-Gorgani. "Effect of lysine residue acetylation on the structure of apomyoglobin." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 57) Momeni, L., B. Shareghi, Ali akbar Sabouri, F. Davar, and A. Semnani. "Analysis of the interactions between putrescine and bovine." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 58) Leilabadi-Asl, A., A. Divsalar, Ali akbar Sabouri, and K. Parivar. "Probing the interaction of chemotherapeutic drug of 5-fluorouracil." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 59) Kazemi, F., A. Divsalar, and Ali akbar Sabouri. "A thermodynamic study on the interaction of propolis and human." The Second Conference on Protein & Peptide Sciences,, April 27-28, 2016 .
- 60) Ghasemi Tabesh, R., P.S. Pourhosseini, Ali akbar Sabouri, and F. Najafi. "Study on the tertiary structural change of insulin due to the interaction with nanoparticles of urethane cationic Gemini surfactant." 14th Iranian Congress of Biochemistry,, August 16-18, 2016 .
- 61) Sabouri, Ali akbar. "Status of research in biological sciences of Iran." 19th National and 7th International Congress of Biology,, September 30-1, 2016 .



- 62) Besharati, M., Ali akbar Sabouri, L. Mamani, and A.M. Rashidi. "Studies on secondary structures of Horseradish peroxidase immobilized on reduced graphene oxide nanoparticle." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 63) Najaran, A., A.. Divsalar, Ali akbar Sabouri, and M.. Eslami-moghadam. "Alterations in the structure of blood carrier protein of albumin upon interaction with new synthesized Pt(II) complex." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- with milk carrier protein of  $\beta$ -lactoglobulin." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- Parivar. "A study on the interaction of two chemotherapeutic drugs of oxali-Palladium and 5-Fluorouracil simultaneously
- 64) Leilabadi-Asl, A., A.. Divsalar, Ali akbar Sabouri, and K..
- 65) Ghobadi, R., A.. Divsalar, A.. Harifi-Mood, Ali akbar Sabouri, and M.. Eslami-Moghadam. "The investigation of functional and structural effects of phenanthroline-imidazole derivative of palladium on bovine liver catalase by spectroscopic techniques." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 66) Bagherpour, M., K.. Abrari, A.. Divsalar, Ali akbar Sabouri, and P.S. Pourhosseini. "Multi-Spectroscopic studies on the interaction of human Erythropoietin and cationic synthetic gemini." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- delivery system using  $\beta$ -lactoglobulin anoparticle." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 67) Ghalandari, B., A.. Divsalar, and Ali akbar Sabouri. "Production of controlled release oral drug
- 68) Sabouri, Ali akbar. "Status of research in Iran basic sciences." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 69) Ghasemi Tabesh, R., P.S. Pourhosseini, Ali akbar Sabouri, and Farhood Najafi. "Binding affinity of cationic gemini surfactants to insulin: Effect of the spacer length." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- with fibrinogen results in Alzheimer's disease." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- H., E.. Barzegari, R.. Dinarvand, Ali akbar Sabouri, and M.. Raoufi. "Amyloid Beta (A $\beta$ ) peptide incompatibility
- 70) Derakhshankhah,
- 71) Mazaheri, M., Ali Akbar Moosavi-Movahedi, and Ali akbar Sabouri. "Effects of curcumin on beta-lactoglobulin and HSA fibrillation." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 72) Naji, A., Arefeh seyedarabi, Ali akbar Sabouri, and A.A. Meratan. "The effect of Rosa damascene on lysozyme aggregation as a model system for neurodegenerative diseases." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 73) Jafarypour, S., Sajjad Gharaghani, Ali akbar Sabouri, and A.A. Meratan. "Three dimensional pharmacophore modeling of Alpha-synuclein aggregation inhibitors." 14th Iranian Biophysical Chemistry Conference,, October 25-27, 2016 .
- 74) صبوری ، علی اکبر و علی اکبر موسوی موحدی . "ارزیابی؟ ضریب؟ هیل؟ آزمحنی؟های؟ اسکاچارد و کلوترز." اولین؟ کنگره؟ بین؟المللی؟ شیمی؟ و مهندسی؟ شیمی، تهران، شهریور 5-8، 1372.
- 75) صبوری ، علی اکبر، عبدالخالق بردبار و علی اکبر موسوی موحدی . "روش؟ جدیدی؟ برای؟ آنالیز پیوندی؟ پروتئین؟ با لیگاند." سومین؟ کنگره؟ بیوشیمی؟، تبریز، دی 22-24، 1374.
- 76) موسوی موحدی ، علی اکبر، H Rowshan و علی اکبر صبوری . "Comparative thermodynamic stability and kinetic of  $\alpha$  and  $\beta$  lactoglobulin A and B." Iranian Second Congress of biology, Kerman-ز، شهریور 3-5، 1376.
- 77) چمنی، جمشید، علی اکبر صبوری ، محمدرضا حسیندخت و علی اکبر موسوی موحدی . "مطالعه؟ ترمودینامیکی؟ الفایراکتالومین؟ در اثر متقابل؟ یا n کیل؟تری؟ متیل؟آمونوم؟ برماید." چهارمین؟ کنگره؟ بیوشیمی؟، بابل، آذر 6-8، 1376.
- 78) موسوی موحدی ، علی اکبر، حسین روشن و علی اکبر صبوری . "مقایسه؟ پایداری؟ ترمودینامیکی؟ و سنتیک؟ بتا-لاکتاگلوبولین؟ B $\alpha$ ." ششمین؟ کنگره؟ زیست؟شناسی؟، کرمان، دی 12-14، 1376.
- 79) بطحایی، سیده زهرا، علی اکبر صبوری ، عبدالعلی ضیایی و علی اکبر موسوی موحدی . "مطالعه؟ میکروکالریمتری؟ و اسپکتروسکوپی؟اثرمتقابل؟آسپرین؟ باDNA." چهارمین؟ کنگره؟ بیوشیمی؟، بابل، دی 25-28، 1376.

- 80) شمسای، علی اصغر، علی اکبر صبوری، حسن منصوری ترشیزی و علی اکبر موسوی موحدی. "مطالعات ترمودینامیکی برهمکنش آلومین؟ سرم؟ انسان؟ با 2 و 2؟ پی؟ پیریدین؟ گلايسينيتو پالادیم؟ (II) کلراید. " سیزدهمین کنگره شیمی و مهندسی شیمی، تهران، بهمن 25-28، 1377.
- 81) عطایی، قاسم، علی اکبر موسوی موحدی و علی اکبر صبوری. "مطالعه ترمودینامیکی مدیفیکاسیون شیمیایی؟ جایگاه فعال آنزیم؟ آدنوزین؟ دامیناز. " سومین گردهمایی بیوشیمی فیزیک، تهران، اسفند 6-8، 1377.
- 82) قبادی، سیروس، علی اکبر صبوری و علی اکبر موسوی موحدی. "مطالعه اثر متقابل؟ پاک کننده؟ های؟ یونی؟ و غیر یونی؟ با آنزیم؟ گلو تامات؟ دی؟ هیدروژناز. " سومین گردهمایی بیوشیمی فیزیک، تهران، اسفند 11-12، 1377.
- 83) یوسفی، رضا، علی اکبر صبوری، علی اکبر موسوی موحدی و محمود قادرمرزی. "سیتیک؟ غیر فعال؟ شدن؟ و بازیافت؟ مجدد فعالیت؟ کاتالاز بوسیله متابولیت؟ های؟ طبیعی؟. " چهاردهمین کنگره فیزیولوژی؟ فارماکولوژی، تهران، اردیبهشت 2-5، 1378.
- 84) عطایی، قاسم، علی اکبر صبوری و علی اکبر موسوی موحدی. "اثر دی؟ اتیل؟ پیروکربنات؟ و معرف؟ وود؟ وارد در حضور و غیاب؟ نوکلئوزیدها بر جایگاه فعال؟ آنزیم؟ آدنوزین؟ دامیناز. " پنجمین کنگره سراسری بیوشیمی، ارومیه، شهریور 5-8، 1378.
- 85) عطایی، قاسم، شاهرخ صفریان، علی اکبر موسوی موحدی، سونا مردانیان، غلامحسین حکیمالهی و علی اکبر صبوری. "آنالیز ساختاری؟ اسیدهای آمینه؟ اسیدی؟ در جایگاه فعال؟ آنزیم؟ آدنوزین؟ دامیناز از طریق؟ مدیفیکاسیون شیمیایی. " اولین کنگره بیوشیمی و بیوفیزیک، تهران، دی 27-28، 1379.
- 86) بردبار، عبدالخالق، محمد تقی اکبری جوجی، علی اکبر صبوری و علی اکبر موسوی موحدی. "بررسی میکروکالریتری تیتراسیون همدم برهمکنش سدیم دودسیل سولفات با اوره از سرم آلومین انسانی آمینو اسید اکسیداز پراکسیداز و لیزوزیم. " اولین کنگره بیوشیمی و بیوفیزیک، دی 27-28، 1379.
- 87) محمودی، علی، خداداد نظری، علی اکبر موسوی موحدی و علی اکبر صبوری. "انتالهی؟ پایدارسازی؟ پراکسیداز در حضور یون نیکل؟. " پنجمین سمینار بیوشیمی فیزیک، کرمان، خرداد 16-18، 1380.
- 88) عاجلو، داود، علی اکبر موسوی موحدی و علی اکبر صبوری. "انرژی؟ آزاد انتقال؟ اسیدهای آمینه؟ در حلالهای مختلف؟ کاربرد نظریه؟ های؟ اربیتال؟ مولکولی؟ و SPT. " پنجمین سمینار بیوشیمی فیزیک، کرمان، خرداد 16-18، 1380.
- 89) ، آزاده عزیززاده، سیده زهرا بطحایی، علی اکبر موسوی موحدی، علی اکبر صبوری، حسن فرسام، مسعود امانلو و عباس شکروی. "مکانیسم؟ اتصال؟ متوکسالن؟ به DNA. " ششمین کنگره سراسری بیوشیمی، تهران، آبان 30-3، 1380.
- 90) عاجلو، داود، حسین بهنام، فرخزاد محمدیزنوز، بیژن رنجبر، علی اکبر صبوری، علی اکبر موسوی موحدی، محسن قرنقلی، کمال عزیززاده، زهرا حسینی و موسوی. "مطالعه شیمی فیزیکی برهمکنش برخی از ترکیبات پلی؟ اکومالات با آلومین سرم انسانی. " ششمین کنفرانس بیوشیمی فیزیک، دامغان، شهریور 17-19، 1383.
- 91) مهنام، کریم، نجمه پورساسان، سونیا مردانیان، نوید سلطانیان، علی خلیف نژاد، غلامحسین حکیمالهی، علی اکبر صبوری و علی اکبر موسوی موحدی. "اثر مهارکنندگان نوکلئوزیدهای تازه سنتز شده بر روی آدنوزین دامیناز. " ششمین کنفرانس بیوشیمی فیزیک، دامغان، شهریور 17-19، 1383.
- 92) کردیجه، مرضیه، علی اکبر صبوری، شاهرخ صفریان، فرهنگ میرانی، محمد حسن صنعتی، مجتبی شمسبیور، محمد باقر یخجالی و علی اکبر موسوی موحدی. "مطالعات طیف؟ سنچی؟ کالریتری و پتانسیومتری بر روی اندرکنش هورمون رشد انسانی با یون مس. " ششمین کنفرانس بیوشیمی فیزیک، دامغان، شهریور 17-19، 1383.
- 93) باقری، صغری، علی اکبر صبوری، قاسم عطایی جعفری و علی اکبر موسوی موحدی. "خصوصیات پیوندی آدنوزین دامیناز در اندرکنش آن با تیوفیلین و تیوروفین. " ششمین کنفرانس بیوشیمی فیزیک، دامغان، شهریور 17-19، 1383.
- شهریور 17-19، 1383، Damghan, Sixth Iranian Biophysical Chemistry Conference. choloride on bovine serum albumin. (II) Mansoori-Torshizi, H, علی اکبر صبوری، A Sabzbani 2,2, و مقدم.
- 95) یوسفی، رضا، مجتبی امانی، علی اکبر موسوی موحدی، انا مورا، حیوانی فلوریس و علی اکبر صبوری. "اثر TFE روی ساختمان فضایی و تبدیل متقابل ساختار منظم دوم و ارتباط آن با فرایند توده شدن آنزیم آمین اکسیداز جوانه عدس. " هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 96) عاجلو، داود، لیلا نجفی، علی اکبر موسوی موحدی، علی اکبر صبوری و سیدجواد موسوی. "اثر میدان الکترومغناطیسی تلفن همراه روی فعالیت و ساختار آنزیم آدنوزین دامیناز. " هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 97) برزگر، ابوالفضل، علی اکبر موسوی موحدی، محمدرضا گنجعلی، علی اکبر صبوری و صمد سبحانیان. "مطالعه تجمع الکل دهیدروژناز تحت تأثیر غیرطبیعی شدن دمائی با استفاده از ولتاژ دینودی در اسپکتروسکوپی دورنگ نمائی حلقوی. " هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.

- 98) عاجلو، داود ، هانیه دپانی، علی اکبر صوری ، علی اکبر موسوی موحدی ، ابوالقاسم اقاپور، عباس شکروی و مسیب احمدی. "مطالعه ارتباط ساختار- فعالیت برخی از بازدارنده‌های آنزیم آدنوزین دامیناز." هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 99) دیوسالار، عادل، علی اکبر صوری ، حسن منصوری ترشیزی و علی اکبر موسوی موحدی . "مطالعه تاخوردن پروتئین بتا لاکتوگلوبولین نوع A و B با استفاده از قندها." هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 100) ستار احمدی، نغمه، علی اکبر موسوی موحدی ، مهران حبیبی رضائی و علی اکبر صوری . "ویژگی‌های واکنش میلارد در مورد واکنش آلومین سرم انسانی با گلوکز در روزهای مختلف آنکوباسیون." هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 101) موسوی موحدی، زینب، منصور زاهدی، همایون بهرامی، کریم مهنام، علی اکبر صوری و علی اکبر موسوی موحدی . "تعیین جایگاه لیزین- بیلی روبین در پروتئین آلومین سرم خون انسان در محلول مایه: محاسبه نظری." هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 102) مهنام، کریم، علی اکبر موسوی موحدی ، همایون بهرامی، قاسم عطایی، سیف اله جلالی و علی اکبر صوری . "تعیین جایگاه مدیفیکاسیون رزیدوهای اسیدی آنزیم آدنوزین دامیناز توسط محاسبه انرژی آزاد هیدرتاسیون." هفتمین کنفرانس بیوشیمی فیزیک، تبریز، تیر 27-28، 1385.
- 103) حکمت، آزاده، علی اکبر صوری و هدایت اله قورچیان . "بررسی اثر دما و PH بر روی فعالیت آنزیم کولین اکسیداز بر روی گونه *Alcaligenes species*." دومین همایش ملی زیست شناسی سلولی و مولکولی، کرمان، دی 9-10، 1386.
- 104) صوری ، علی اکبر. "اثریونهای کلسیم محیط روی پایداری آلفا - آمیلاز." چهاردهمین گردهمایی بیوشیمی فیزیک ایران، بهمن 1، 1378.
- 105) صوری ، علی اکبر. "اثربرخی از پلی الکل ها روی برهم کنش پراکسید از با دود سیل تری متیل آمونیوم بروماید." چهاردهمین گردهمایی بیوشیمی فیزیک ایران، بهمن 1، 1378.
- 106) صوری ، علی اکبر. "یک روش ابتکاری برای بررسی پایداری سینتیتیکی پروتئین ها." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.
- 107) صوری ، علی اکبر. "مطالعه میکروکالریمتری واسپکتروسکوپی پایداری گلوکز اکسیداز و تأثیر برخی از اسمولیت ها." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.
- 108) صوری ، علی اکبر. "مطالعه مکانیزم تجزیه کمپلکس DNA- HI در حضور سدیم دو دسیل سولفات." چهاردهمین گردهمایی بیوشیمی فیزیک ایران، بهمن 1، 1378.
- 109) صوری ، علی اکبر. "مطالعه شیمی فیزیکی اثر فلزات Ni, Co, Pd بر آنزیم آوره آوز." چهاردهمین گردهمایی بیوشیمی فیزیک ایران، بهمن 1، 1378.
- 110) صوری ، علی اکبر. "مطالعه ترمودینامیکی غیر طبیعی شدن آلومین سرم گاوی با هگزادسیل پیرینیوم بروماید بوسیله الکتروانتخابی ماده فعال سطحی." دومین گردهمایی برهم کنش لیگاند-بیوماکرومولکول و غیرطبیعی شدن پروتئین، آذر 1، 1376.
- 111) صوری ، علی اکبر. "مطالعه ترمودینامیکی مدیفیکاسیون شیمیایی جایگاه فعال آنزیم آدنوزین دامیناز." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.
- 112) صوری ، علی اکبر. "مطالعه اثرمتقابل پاک کننده های یونی و غیریونی با گلوتاماب دهیدروزی." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.
- 113) صوری ، علی اکبر. "مطالعه اثرات بازدارنگی BHA و نیکوتین آمید بر فعالیت کاتالیتیکی آنزیم پراکسیداز." چهاردهمین گردهمایی بیوشیمی فیزیک ایران، بهمن 1، 1378.
- 114) صوری ، علی اکبر. "مطالعات سینتیتیکی و ترمودینامیکی غیر طبیعی شدن خودبخودی گلوکز اکسیداز در حضور تعدادی از اسیدهای آمینه." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.
- 115) صوری ، علی اکبر. "رات NASPH روی ساختار و فعالیت بیولوژیکی کاتالازدر حضور متابولیت های غیرفعال کننده طبیعی." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.
- 116) صوری ، علی اکبر. "توسعه روشهای کالیمتری تیتراسیونی همدم." دومین گردهمایی برهم کنش لیگاند-بیوماکرومولکول و غیرطبیعی شدن پروتئین، آذر 1، 1376.
- 117) صوری ، علی اکبر. "توزیع علوم محض درجهان." چهاردهمین گردهمایی بیوشیمی فیزیک ایران، بهمن 1، 1378.
- 118) صوری ، علی اکبر. "پیوند 2-ت-بیبیریدین گلاسیسینتوپالادیوم (11) کلرایدروی ساختار آلومین سرم انسان." سومین گردهمایی بیوشیمی فیزیک ایران، فروردین 1، 1377.

119) صیوری ، علی اکبر. "برهمکنش یکسری ازهمردههای n-الکیل تری متیل آمونیوم برمید با لیزوزیم توسط تکنیکهای مختلف." چهاردهمین گردهمایی بیوشیمی فیزیک ایران،، بهمن 1، 1378.

120) صیوری ، علی اکبر. "اثرساکارز روی برهم کنش بین آلفا-آمیلاز و دودسیل تری متیل آمونیوم بروماید." چهاردهمین گردهمایی بیوشیمی فیزیک ایران،، بهمن 1، 1378.

121) صیوری ، علی اکبر. "آنالیز غیر طبیعی شدن گرمایی پراکسیداز درحضور یون های فلزی." چهاردهمین گردهمایی بیوشیمی فیزیک ایران،، بهمن 1، 1378.

122) صیوری ، علی اکبر. "آنالیز ساختاری جایگاه فعال آنزیم آدنوزین زآمیناز از طریق مدیفیکاسیون شیمیایی." چهاردهمین گردهمایی بیوشیمی فیزیک ایران،، بهمن 1، 1378.

123) صیوری ، علی اکبر. "آنالیز ترموشیمیایی هموگلوبین تحت تأثیر هگزادسیل پیریدنیوم سرم انسان." سومین گردهمایی بیوشیمی فیزیک ایران،، فروردین 1، 1377.

124) صیوری ، علی اکبر. "افزایش پایداری حرارتی آلبومین سرم گاوی در حضور ال-پرولین و ساکارز." سومین گردهمایی بیوشیمی فیزیک ایران،، فروردین 1، 1377.

جوایز و افتخارات(در زمینه‌های مختلف مانند: طرح، مقاله، ...)

1) برگزیده جشنواره علامه طباطبایی، ملی، سایر، 1391/12/26

2) عضو هیات علمی موفق و جزء یک درصد دانشمندان برتر جهان در رشته بیوشیمی - بیوفیزیک، بین المللی، بین المللی، 1392/03/08