

باسمه تعالی



## دکتر داود عاجلو

سوابق آموزشی، پژوهشی و اجرایی

نام و نام خانوادگی: داود عاجلو عضو هیات علمی دانشگاه دامغان

مقطع: دکتری شیمی، گرایش شیمی فیزیک، تخصص جنبی: بیوشیمی فیزیک

مرتبہ علمی: استاد وضعیت استخدامی: رسمی قطعی، پایه ۲۳

محل اخذ مدرک، کارشناسی: دانشگاه مازندران، کارشناسی/ارشد و دکتری: دانشگاه تربیت مدرس

عناوین: پژوهشگر برتر دانشکده شیمی سالهای ۱۳۸۹ و ۱۳۹۴ پژوهشگر دوم دانشکده شیمی سال ۱۳۹۱

تعداد مقالات چاپ شده بین المللی: ۶۱

تعداد مقالات ارائه شده در کنفرانسهای داخلی و خارجی: بیش از ۱۰۰

تعداد پایان نامه های کارشناسی ارشد راهنمایی شده: بیش از ۴۵

تعداد پایان نامه های دکتری راهنمایی شده: ۳

تعداد پایان نامه های دکتری تحت راهنمایی: ۳

تعداد طرح های پژوهشی ۴: تعداد کتب ترجمه شده ۴: کتاب در دست ترجمه ۲ کتاب در دست تالیف ۱

سابقه مدیریت: مدیریت دانشکده شیمی ۲ سال و مدیریت گروه شیمی فیزیک از بهمن ۱۳۸۷ تا بهمن ۱۳۹۲

معاونت دانشکده شیمی از سال ۱۳۹۰ تا ۱۳۹۲

دبیر ششمین کنفرانس بیوشیمی فیزیک ایران ۱۳۸۳ دبیر دومین همایش علوم محاسباتی ۱۳۹۵

داور مجلات

**Journal of Biomolecular Structure and Dynamics**

**International Journal of Biological Macromolecules**

**Journal of Molecular Graphics and Modeling**

**SAR and QSAR in Environment Research**

**Spectrochim Acta**

**Journal of Molecular Structure**

**Physical Chemistry Research**

زمینه های پژوهشی مورد علاقه: سینتیک و ترمودینامیک آنزیمها و پروتئینها دارورسانی، طراحی دارو، شیمی دارویی،

تلفن دانشگاه دامغان: دفتر کار ۰۲۳۳۵۲۲۰۲۸۷ دفتر دانشکده شیمی  
www.du.ac.ir faculty.du.ac.ir/ajloo ajloo2000@yahoo.com e-mail: ۰۲۳۳۵۲۲۰۰۹۵  
ajloo@du.ac.ir,

#### ISI Papers

- 1-**Ajloo, D.** Moosavi-Movahedi, A.A., Hakimelahi, G.H. Saboury, A.A., Gharibi, H. The effect of dodecyl trimethylammonium bromide on the formation of methemoglobins and hemichrome *Colloids and Surfaces B: Biointerfaces*, 2002, 26, 185-196.
- 2-**Ajloo, D.** Moosavi-Movahedi, A.A. Sadeghi, M. and Gharibi, H.- Comparative structural and functional studies of avian and mammalian hemoglobins *Acta Biochimica Polonica* 2002 49, 459-470.
- 3-Bordbar, A.K., Nasehzadeh, A. **Ajloo, D.**, Omydiyan, K., Naghibi, H. Mehrabi, M., Khajehpour, H., Rezaei-Tavirani, M., Moosavi-Movahedi, A.A., Thermodynamics elucidation of binding isotherms for hemoglobin and globin of human and bovine upon interaction with dodecyl trimethylammonium bromide *Bull. Korean Chem. Soc.* 2002, 23, 1073-1077.
- 4-**Ajloo, D.** Moosavi-Movahedi, A.A., The kinetic of denaturation of human and chicken hemoglobins in the presence of cosolvents *J. Biochem. Mol. Biol.* , 36, 367-372, 2003.
- 5-Moosavi-Movahedi, A.A., Safarian, S., Hakimelahi, G.H., Ataei, G., **Ajloo, D.**, Panjehpour, S., Riahi, S., Mousavi, M.F., Mardanyan, S., Soltani, N., Khalafi-Nezhad, A. Sharghi, H., Moghadamnia, H., and Saboury, A.A., &, QSAR analysis for ADA upon interaction with a series of adenine derivatives as inhibitors. *Nucleos Nucleot Nucl* 2003, 23, 611-624.

6-Rezaei-Tavirani, M. Moosavi-Movahedi, A.A., Moosavi-Nejad, S.Z. Chmani, J. **Ajloo, D.**, Domain analysis of human apotransferin upon interaction with sodium n-dodecyl sulphate: differential scanning calorimetry and circular dichroism approaches *Thermochimica Acta*, 2003, 408, 9-16.

7-Motamedi, M. Bathaie, S.Z., Hemmateenejad, B. **Ajloo, D.** Semi-empirical quantum chemical study of the interactions between lysine, arginine and histidine with a homologue set of n-alkyl sulfates in the gas phase and aqueous solution. *J. Molecular Structure (Theochem)* -, 2004, 678, 163-169.

8-**Ajloo, D** Saboury, A.A. Haghi-Asli, N. Ataie-Jafari G. Mossavi-Movahedi, A.A Ahmadi, M., Mahnam, M., Namaki S., Kinetic, thermodynamic and statistical studies on the inhibition of adenosine deaminase by aspirin and diclofenac, *Journal of Enzyme Inhibition and Medicinal Chemistry*, 2007, 22, 395-406..

9-**Ajloo, D.**, Behnam, H., Saboury, A.A., Mohamadi-Zonoz, F., Ranjbar, B., Moosavi-Movahedi, A.A., Hasani, Z., Alizadeh, K., Gharanfoli, M., and Amani, M. Thermodynamic and Structural Studies on the Human Serum Albumin in the Presence of a Polyoxometalate Bull. Korean Chem. Soc. 2007, 28, 730-736.

10-**Ajloo D.** Taghizadeh, E. Saboury, A.A. Bazyari, E. Mahnam. K. Effects of surfactant, salt and solvent on the structure and activity of adenosine deaminase: molecular dynamic and spectrophotometric studies. *International Journal of Biological Macromolecules*, 2008, 43, 151–158.

11-**Ajloo, D.** Sharifian, A. Behniafar, H. Prediction of the thermal decomposition temperature of polymers using QSPR methods, *Bull. Korean Chem. Soc.* 2008, 29, 2009-2016.

12-**Davood Ajloo**, Leila Najafi, and Ali Akbar Saboury, Effects of Dimaine, Diacid and Dinitro Derivatives on the Inhibition of AdenosineDeaminase; Experimental, Molecular Docking and QSAR Studies. *Bulletin of the Korean Chemical Society* 2009, 30, 2523-2531.

13-Pouria Dasmeh, Debra J. Searles, **Davood Ajloo**, Denis J. Evans and Stephen R. Williams, On violations of Le Chatelier's principle for a temperature change in small systems observed for short times. *Journal of Chemical Physics*, 2009, 131, 214503-214507.

14-**Davood Ajloo**, Behnaz Yoonesi, Ahmad Soleymanpour, Solvent Effect on the Reduction Potential of Anthraquinones Derivatives; the Experimental and Computational Studies. *Int. J. Electrochem. Sci.* 2010, 5, 459 477.

15-Adeleh Divsalar, Ali Akbar Saboury, Leila Ahadi, Elham Zemanatiyar, Hassan Mansouri-Torshizi, **Davood Ajloo** Ramaswamy H. Sarma, Biological Evaluation and

Interaction of a Newly Designed Anti-cancer Pd(II) Complex and Human Serum Albumin *Journal of Biomolecular Structure & Dynamics*, 2011, 29, 283-296.

16-Maryam Ghadamgahi, **Davood Ajloo**, Calculation and Prediction of Rate and Equilibrium Constants for Aggregation of Porphyrin by Molecular Dynamics, Docking and QSPR Methods. *J Porphyrins and Phthalocyanines* 2011, 15, 240-256.

17-Pouria Dasmeh, **Davood Ajloo** and Debra J. Searles, Transient Violation of Le Chatelier's principle for a network of water molecules. *J. Iranian Chem. Soc.* 2011, 2, 424-432.

18-**Davood Ajloo**, Samaneh Hajipour, Ali Akbar Saboury, Saeed Zakavi, Effect of Cationic and Anionic Porphyrins on the Structure and Activity of Adenosine Deaminase. *Bull. Korean Chem. Soc.* 2011, 32, 3411-3420.

19-H. Derakhshankhah, A. A. Saboury R. Bazl, H. A. Tajmir-Riahi, M. Falahati, **D. Ajloo**, H. Mansoori-Torshizi, A. Divsalar, A. Hekmat, A. A. Moosavi-Movahedi, Synthesis, cytotoxicity and spectroscopy studies of a new copper (II) complex: calf thymus DNA and T47D as targets. *J. Iran Chem. Soc.* 2012, 9, 737-746.

20- Maryam Ghadamgahi, **Davood Ajloo**, Mahmood Moalem, Kinetic Studies on the Self-aggregation of a Non Ionic Porphyrin in the Presence and Absence of Ionic Liquid by Molecular Dynamics Simulation. *J. Porphyrins Phthalocyanines*, 2012, **16**, 1082-1093.

21-Maryam Pooyafar, **Davood Ajloo**, Tertiary structure prediction of  $\alpha$ -glucosidase and inhibition properties of N-(phenoxydecyl) phthalimide derivatives. *Acta Chimica Slovenica* 2012, 59, 221-232.

22-**Davood Ajloo**, Masoomeh Sangian, Maryam Ghadamgahi, Mina Evini, Ali Akbar Saboury- Effect of two Imidazolium Derivatives of Ionic Liquids on the Structure and Activity of Adenosine Deaminase *International Journal of Biological Macromolecules* 2013, 47, 47- 61.

23-Maryam Ghadamgahi, **Davood Ajloo**, The Effects of Urea, Guanidinium Chloride and Sorbitol on Porphyrin Aggregation: Molecular Dynamics Simulation *Journal of Chemical Science* 2013, 125, 627-641.

24-Sasan Moradi, **Davood Ajloo**, Taghi Lashkarbolouki, Robabeh Alizadeh, Ali Akbar Saboury Physicochemical Studies on the interaction of gold(III)trichloro phenanthridine complex with Calf Thymus DNA *Monatshefte für Chemie*, 2013, 144, 1499-1505.

25-**Davood Ajloo**, Maryam Ghadamgahi, Freshte Shaheri and Kobra Zarei, Absorbtion Spectroscopy, Molecular Dynamics Calculations, and Multivariate Curve Resolution on

the Phthalocyanine Aggregation *Bulletin of the Korean Chemical Society*, 2014, 35, 1440-1448.

26-H. Derakhshankhah, A. A. Saboury, A. Divsalar, H. Mansouri-Torshizi, I. Bamery, **D. Ajloo**, A. A. Moosavi-Movahedi, R. Hosseinzadeh, M. R. Ganjalig, H. ilkhani, H. R. Khavasi, Synthesis and characterization of a newly designed di-copper (II) based complex and study of its artificial enzyme catalytic activity *Journal of the Iranian Chemical Society* 2014,11, 1381-1390.

27-Majid Amiri, **Davood Ajloo**, QSAR and docking studies on the diaryltriazine analogues as HIV-1 reverse transcriptase inhibitors *Medicinal Chemistry Research*, 2014 23, 969–979.

28-A. Kanaani, **D. Ajloo**, H. Kiyani, M. Farahani, Synthesis, spectroscopic investigations and computational study of 4-((9,10-dioxo-9,10-dihydroanthracen-1-yl)oxy)benzaldehyde *Journal of Molecular Structure* , 2014, 1063, 30–44.

29-Morteza Jabbari, Hakimeh Mir, Ayoob Kanaani, **Davood Ajloo**, Kinetic Solvent Effects on the Reaction between Flavonoid Naringenin and 2,2-Diphenyl-1-picrylhydrazyl (DPPH) Radical in Different Aqueous Solutions of Ethanol: An Experimental and Theoretical Study *Journal of Molecular Liquids* 2014, 196, 381–391.

30- Mahboube Eslami Moghadam, Maryam Saidifar, Faramarz Rostami-Charati, **Davood Ajloo**, and Maryam Ghadamgahi Molecular Dynamic Simulation and Spectroscopic Investigation of Some Cytotoxic Palladium (II) Complexes Interaction with Human Serum Albumin *Combinatorial Chemistry & High Throughput Screening* 2014, 17, 781-789.

31-Safiye Jafari; Farnoush Faridbod; Parviz Norouzi; Amin Shiralizadeh Dezfuli ; **Davood Ajloo**; Fatemeh Mohammadipanah ; Mohmmad Reza Ganjali, Detection of *Aeromonas hydrophila* Deoxyribonucleic Acid oligonucleotide Sequence using a Biosensor Design based on Ceria Nanoparticles Decorated Reduced Graphene Oxide and Fast Fourier Transform Square Wave Voltammetry” *Analytica Chimica Acta* 2015, 895, 80-88.

32-S. Zahra Bathaie **Davood Ajloo**, Marzieh Daraie, Maryam Ghadamgahi Comparative study of the interaction of meso-tetrakis (N-para-trimethyl-anilium) porphyrin (TMAP) in its free base and Fe derivative form with oligo(dA.dT)15 and oligo(dG.dC)15. *Journal of Biomolecular Structure and Dynamics*, 2015, 33, 1598-1611.

33- Ayoub Kanaani, **Davood Ajloo**, Hasan Ghasemian, Hamzeh Kiyani, Mohamad Vakili, Asiyeh Mosallanezhad Synthesis, Molecular structure, spectroscopic investigations and computational studies of(E)-1-(4-(4-(diethylamino)- 2-hydroxybenzylideneamino) phenyl)ethanone *Struct Chem* 2015, 26, 1095-1113.

- 34-**Davood Ajloo**, Mahboube Eslami Moghadam, Khadijeh Ghadimi, Maryam Ghadamgahi, Ali Akbar Saboury, Adeleh Divsalar, Minoosheikh Mohammadi, 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. *Inog. Chim. Acta* 2015, 430, 144-160.
- 35- Maryam Ghadamgahi and **Davood Ajloo** Molecular Dynamics Insight into the Urea Effect on Tretinoin Encapsulation into Carbon Nanotube *J. Braz. Chem. Soc* 2015, 26, 185-195
- 36-**Davood Ajloo**, Sajede Shabanpanah, Bitashefaatian, Maryam Ghadamgahi, Yasin Alipour, Taghi Lashgarbolouki, Ali Akbar Saboury. Interaction of the new tetradentate Schiff bases containing N<sub>2</sub>O<sub>2</sub> Donor atoms with calf thymus DNA. *Int J Biol. Macromol.* 2015 77, 193-202.
- 37-Maryam Ghadamgahi and **Davood Ajloo** Molecular Dynamics Simulation of the Water Transportation through a Carbon Nanotube. The Effect of Electric Field. *Russian Journal of Physical Chemistry A* 2015 89, 11 2120-2125.
- 38-Maryam Ghadamgahi, **Davood Ajloo** Correlation of Drug and Carbon Nanotube Size in Encapsulation and Free Energy Calculation: A Molecular Insight *Bull. Korean Chem. Soc.* 2015, 36,168-179.
- 39-Hamzeh Kiyani, Ayub Kanaani, **Davood Ajloo** Fatemeh Ghorbani, Mohammad Vakili, N-bromosuccinimide (NBS)-promoted, threecomponent synthesis of a,b-unsaturated isoxazol-5(4H)-ones, and spectroscopic investigation and computational study of 3-methyl-4-(thiophen-2-ylmethylene)isoxazol-5(4H)-one *Res Chem Intermed* 2015, 41,7739-7773.
- 40-Najmeh Mahmoodabadi **Davood Ajloo** QSAR, docking, and Molecular dynamic studies on the polyphenolic asinhibitors of  $\beta$ -amyloid aggregation *Med. Chem. Res.* 2016 25, 2104-2118.
- 41-Seied Ali Pourmousavi, Ayoub Kanaani, Fatemeh Ghorbani, Kobra Khorsi Damghani, **Davood Ajloo**, Mohamad Vakili Synthesis, spectroscopic investigations and computational study of monomeric and dimeric structures of 2-methyl-4-quinolinol *Research on Chemical Intermediates* 2016, 42, 1237-1274.
- 42-Ayoub Kanaani, **Davood Ajloo**, Hamzeh Kiyani, Freshte Shaheri and Majid Amiri, Synthesis, molecular structure, spectroscopic investigations and computational study of a potential molecular switch of 2-([1,1'-biphenyl]-4-yl)-2-methyl-6-(4-nitrophenyl)-4-phenyl-1,3 diazabicyclo [3.1.0]hex-3-ene *J. Chem. Sci.* 2016, 128, 1211–1221.
- 43-Ayoub Kanaani **Davood Ajloo**, Hamzeh Kiyani, Mohamad Vakili, Mahnaz Farahani, Majid Amiri Synthesis, spectroscopic investigations and computational study of 4-((9,10-

dioxo-9,10-dihydroanthracen-1-yl)oxy)-3-methoxybenzaldehyde *Optic and spectroscopy* 2016, 121, 92-98.

44-**Davood Ajloo**, Najmeh Mahmoodabadi, Maryam Ghadamgahi, Ali Akbar Saboury 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 and Dynamics* 2016, 34, 1495-1511.

45-Ayoub Kanaani, **Davood Ajloo**, Gholamhossein Grivani, Abbaseh Ghavami, Mohammad Vakili Tautomeric stability, molecular structure, NBO, electronic and NMR analyses of salicylideneiminopent-2-one *J. Mol. Structure* 2016, 1112, 87-96.

46-Ayoub Kanaani, **Davood Ajloo**, Hamzeh Kiyani, Hasan Ghasemian, Mohammad Vakili, Mina Feizabadi Molecular structure, spectroscopic investigations and computational study on the potential molecular switch of (*E*)-1-(4-(2-hydroxybenzylideneamino)phenyl)ethanone *Molecular Phys* 2016, 114, 2081-2097.

47-Farzaneh Fahid, Ayoub Kanaani, Seied Ali Pourmousavi & **Davood Ajloo** Synthesis, tautomeric stability, spectroscopy and computational study of a potential molecular switch of (*Z*)-4-(phenylamino)pent-3-en-2-one *Molecular Physics*, 2017, 115, 795-808.

48-Seied Ali Pourmousavi, Ayoub Kanaani, Hamid Reza Fatahi, Fatemeh Ghorbani, **Davood Ajloo** SbCl<sub>3</sub> as effective catalyst for the preparation of 2,3- Dihydroquinazolin-4(1*H*)-ones, spectroscopic investigation and DFT study *Journal of Physics and Chemistry of Solids* 2017, 82-93.

49-Morteza Jabbari, Negar Khosravi, Mina Feizabadi and **Davood Ajloo**, Solubility temperature and solvent dependence and preferential solvation of citrus flavonoid naringin in aqueous DMSO mixtures: an experimental and molecular dynamics simulation study *RSC Adv.*, 2017, 7, 14776–14789.

50-Mohamad Vakili, Alireza Sobkhizi, Vahidreza Darugar, Ayoub Kanaani, **Davood Ajloo** A first-principles study of aryloxyanthraquinone-based optical molecular switch *7 Chemical Physics Letters* <http://dx.doi.org/10.1016/j.cplett.2017.08.045>

51 Morteza Hosseini Freshteh Khaki · Ehsan Shokri · Hossein Khabbaz · Mehdi Dadmehr · Mohammad Reza Ganjali Mina Feizabadi · **Davoo Ajloo** Study on the Interaction of the CpG Alternating DNA with CdTe Quantum Dots *J Fluoresc* DOI 10.1007/s10895-017-2145-8

52 – Sara Hadian Rasanani. Mahboube Eslami Moghadam . Esmail Soleimania Adeleh Divsalar **Davood Ajloo**. Aliakbar Tarlani and Majid Amiri Anticancer Activity of New Imidazole Derivative of 1*R*,2*R*-diaminocyclohexane Palladium and Platinum Complexes



as DNA Fluorescent Probes Journal of Biomolecular Structure & Dynamics 2017,  
· <http://dx.doi.org/10.1080/07391102.2017.1385538>

53- Ayoub Kanaani, **Davood Ajloo**, Hamzeh Kiyani, Sayyed Ahmad Nabavi Amri, First-principles study of the electronic transport properties of a 1,3 diazabicyclo[3.1.0]hex-3-ene molecular optical switch, Optik International Journal for Light and Electron Optics 201, [Volume 153](#), January 2018, Pages 135-143.

54- A-green-and-efficient-synthesis-of-isoxazol-5(4h)-one-derivatives-in-water-and-a-dft-study Journal of Iranian Chem Soc Accepted 2017

55- Majid Amiri, **Davood Ajloo** Mostafa Fazli, Amir Mokhtarieh, Gholamhossein Grivani A.A. Saboury Spectroscopic, electrochemical, docking and molecular dynamics studies on the interaction of three oxovanadium (IV) Schiff base complexes with bovine serum albumin and their cytotoxicity against cancer Journal of Biomolecular Structure & Dynamics Accepted 2017

## Research Papers

1-**Davood Ajloo**, Sharbanoo Ghaehaghababaie, Najmeh Mahmoodabadi Molecular dynamics studies on the denaturation of polyalanine in the presence of guanidinium chloride at low concentration *Physical Chemistry Research* – 2013 2, 152-165.

2-**Davood Ajloo**, Seyyed Morteza Fazeli, Farhad Janbaz Amirani, Interaction of Cationic and Anionic Phthalocyanines with Adenosine Deaminase, Molecular Dynamics Simulation and Docking Studies *Computational Molecular Bioscience* 2013, 3, 81-93

3-Maryam Ghadamgahi, **Davood Ajloo**, Ethanol effect on drug delivery of tretinoin, a molecular dynamic simulation – *J. Nanostruct. Chem.* 2014, 4, 1-11.

4-Najmeh Mahmoodabadi, **Davood Ajloo**, Molecular dynamics and molecular docking studies on the interaction between four tetrahydroxy derivatives of polyphenyls and beta amyloid. *Biomacromolecular Journal* 2015, 1, 230-241.

5-Maryam Ghadamgahi & **Davood Ajloo** Influence of Scan Rate on Simulation of Differential Scanning Calorimetry Profiles of Protein Denaturation *Global Journal of Researches in Engineering: C Chemical Engineering* 2015, 15.

6-Maryam Ghadamgahi, **Davood Ajloo**, Yasin Alipour How Do Palladium Complexes Affect on Coil Structure of Human Serum Albumin in the Presence of Carbon Nanotube? A Molecular Dynamics Study *Phys Chem. Res* 2016, 47-60.

## Conference Papers

۱. Amiri, D. Ajloo, Docking study of DATAs derivatives as potent HIV-1 reverse transcriptase inhibitors 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
۲. Reyhaneh Rostamzadeh, Davood Ajloo, Effects of lorazepam and midazolam on the structure of adenosine deaminase:Molecular dynamic studies 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
۳. Seyed Ameneh Hosseini, Davood Ajloo, Taghi Lashkarbolouki, Seyed Hassan Hosseini, Ionic Modified Epoxy Functionalized Polymer Gel as a High Performance support for Immobilization of Cellulase 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
۴. Sajede Shabanpanah, Davood Ajloo, Bita Shafaatian, Taghi Lashkarbolouki, Studies on the Interaction of, a New Nickel Schiff base complex Containing N2O2 Donor Atoms with Calf Thymus DNA 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
۵. Maryam Ghadamgahi, Davood Ajloo, Effect of genetic variation on the thermal stability of human serum albumin, a molecular dynamic simulation study 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
۶. Mahmoodabadi, D. Ajloo, and Y. Alipour, Study the interaction between adenosine deaminase and cationic surfactants by molecular dynamics 1st Tabriz International Life Science Conference and 12thIran Biophysical Chemistry Conference (TILSC & IBCC), 2013, Tabriz, Iran May, 2013.
۷. ريحانه رستم زاده، داود عاجلو، مریم قدمگاهی، یاسین علی پور، مطالعه ی دینامیک مولکولی سیستم آب/متان/پنتان همایش تخصصی علوم و فناوری نانو April, 2013.
۸. Mahmoodabadi and D. Ajloo, molecular dynamics studies on the interaction of anionic surfactants with adenosine deaminase 15th Iranian physical chemistry conference 3-6 Sept 2012 September, 2012 2012.
۹. Seyyd Morteza Fazeli, Davood Ajloo, Taghi Lashkarblooki, Molecular dynamics simulation study on the interaction of metalated tetera sulphonated phthalocyanine with adenosine deaminase 15th Iranian physical chemistry conference, Univesity of Tehran, Tehran 3-6 sep 2012, September, 2012.
۱۰. Freshteh Shaheri, Davood Ajloo, Maryam Ghadamgahi, Solvent effects on the absorption spectra of Co(II)-tetrasulfonated phthalocyanine 15th Iranian physical chemistry conference, Univesity of Tehran, Tehran 3-6 sep 2012, September, 2012.
۱۱. Sasan Moradi, Davood Ajloo, Robabeh Alizadeh, Taghi Lashkarbolouki, Spectrophotometry studies on the interaction of new complex, tribromo phenanthridine aurum (III), with calf thymus DNA 15th Iranian physical chemistry conference, Univesity of Tehran, Tehran 3-6 sep 2012, September, 2012.

۱۲. Hossein Farahbakhsh, Davood Ajloo, Mehdi Rahimi, Arash Amiri, Arezoo Javadi manesh, Quantitative Structure Property Relationship Modeling for Prediction of Retention Index for a Set of flavonoids and chalcones First national conference on computational Science, Damghan University, Damghan 6-7 sep, 2012 September, 2012.
۱۳. Seyyed Morteza Fazeli, Davood Ajloo, Maryam Ghadamgahi, Docking study of tetra sulphonated phthalocyanine and tetrakis [2-(trimethylammonium) ethoxy] phthalocyanine with adenosine deaminase enzyme and human serum albumin First national conference on computational Science, Damghan University, Damghan 6-7 sep, 2012 September, 2012.
۱۴. Fereshte Shaheri, Davood Ajloo, Maryam Ghadamgahi, Molecular dynamics simulation of solvent effect on the tetrasulfonated phthalocyanine aggregation First national conference on computational Science, Damghan University, Damghan 6-7 sep, 2012 September, 2012.
۱۵. Khadijeh Ghadimi, Davood Ajloo, Maryam Ghadamgahi, Prediction of melting point and IC50 of some cinnamanilides derivatives with chemometrics methods First national conference on computational Science, Damghan University, Damghan 6-7 sep, 2012 September, 2012.
۱۶. Javad Ghasemian, Rhaman Farnoosh, Davood Ajloo, Prediction of biological properties of some benzophenone and indanone derivatives as acetylcholinesterase inhibitors by parametric and fuzzy nonparametric regression methods Eleventh Iranian Statistical conference August, 2012.
۱۷. Sasan Moradi, Davood Ajloo, Taghi Lashkarbolouki, Robabeh Alizadeh, Mina Evini, Ali Akbar Saboury, Ali Akbar Moosavi-Movahedi, Spectrophotometry Studies on the Interaction of Au(III)(Phend)Cl3 new Complex with Calf Thymus DNA J. Iran. Chem. Soc., Vol. 9, Suppl. 1, June 2012, pp. A1-A144., The First International & 11th Iran Biophysical Chemistry Conference, 13-15 June 2012, Ardabil University of Medical Sciences, Ardabil, Iran June, 2012.
۱۸. Seyyed Morteza Fazeli, Davood Ajloo, Molecular Dynamic and Docking Study on to Interact Tetra, Sodium Sulphunated Nickel (II) Phthalocyanine (NiPcTS) and Adenosine Deaminase J. Iran. Chem. Soc., Vol. 9, Suppl. 1, June 2012, pp. A1-A144., The First International & 11th Iran Biophysical Chemistry Conference, 13-15 June 2012, Ardabil University of Medical Sciences, Ardabil, Iran June, 2012.
۱۹. Davood Ajloo, Molecular Dynamics Simulation on the Protein Structure J. Iran. Chem. Soc., Vol. 9, Suppl. 1, June 2012, pp. A1-A144., The First International & 11th Iran Biophysical Chemistry Conference, 13-15 June 2012, Ardabil University of Medical Sciences, Ardabil, Iran June, 2012.
۲۰. Fereshteh Shaheri, Davood Ajloo, Hamzeh Kiyani, Maryam Ghadamgahi, Taghi Lashkarbolooki, Interaction of a Novel Photochromic Molecule with Human Serum Albumin Studied by UV-vis Absorption, Fluorescence Spectroscopy, and Docking Calculation J. Iran. Chem. Soc., Vol. 9, Suppl. 1, June 2012, pp. A1-A144., The First International & 11th Iran Biophysical Chemistry Conference, 13-15 June 2012, Ardabil University of Medical Sciences, Ardabil, Iran June, 2012.

۲۱. Majid Amiri, Davood Ajloo, Zohre Rakhsha, QSAR studies on the Anti-HIV and antiplasmodial activity of original flavonoid the 9th National Chemistry congress of Payam Noor University 8-9 october 2011 Behshahr October, 2011.
۲۲. Maryam Pooyafar, Davood Ajloo, Effect of two ionic liquids on the structure of adenosine deaminase enzyme 15 th Iranian chemistry congress September, 2011.
۲۳. Masoomeh sangian, Davood Ajloo, Effect of ionic liquid on aggregation of nickel tetrasulfonated phthalocyanine 15th Iranian chemistry conference September, 2011.
۲۴. Elaheh Mohebbi, Davood Ajloo, Quantum mechanical simulation of ethylene epoxidation mechanism by tetrafluoro oxo chromate and tetrachloro oxo chromate catalysts 15th Iranian chemistry congress September, 2011.
۲۵. Maryam Ghadamgahi, Davood Ajloo, Molecular dynamics simulation study of Short chains alcohols effect in kinetic of porphyrin aggregation 15th Iranain chemistry congress September, 2011.
۲۶. Sangian Masoomeh, Ajloo Davood, Ghadamghayi Maryam, Effect of two ionic liquids on the structure and activity of adenosine deaminase enzyme Cell Biochemistry Volume 44, Issue 13, Supplement, September 2011, Pages S243 Clinical Biochemistry, 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry and Molecular Biology, Mashhad, Iran, September 6-9 2011. September, 2011.
۲۷. Pooyafar Maryam, Ajloo Davood, Soheili Niusha, Tertiary structure prediction of  $\alpha$ -Glucosidase and inhibition properties of N-(phenoxydecyl)phthalimide derivatives by modeling, Docking and QSAR Cell Biochemistry Volume 44, Issue 13, Supplement, September 2011, Pages S243 Clinical Biochemistry, 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry and Molecular Biology, Mashhad, Iran, September 6-9 2011. September, 2011.
۲۸. Elaheh Mohebbi, Davood Ajloo, Quantum mechanical simulation of adenosine deaminase active site Cell Biochemistry Volume 44, Issue 13, Supplement, September 2011, Pages S243 Clinical Biochemistry, 12th Iranian Congress of Biochemistry & 4th International Congress of Biochemistry and Molecular Biology, Mashhad, Iran, September 6-9 2011. September, 2011.
۲۹. Hooman Asgarian, Davood Ajloo, Correlation Between Structure and Activity in the 4-[(diethylamino)methyl]-phenol Derivatives as Acetylcholinesterase Inhibitors Regional Chemistry Congress Islamic Azad University Miyaneh Branch, March 3, 2011 March, 2011.
۳۰. Afsaneh Rezaie, Davood Ajloo, Structure activity relationship studies on the glycosides, and alkylidenethiosemicarbazide compounds as tyrosinase inhibitors Regional Chemistry Congress Islamic Azad University Miyaneh Branch, March 3, 2011 March, 2011.
۳۱. Ghadamgahi, M and Ajloo, D, Kinetic study of salt and concentration effect on the porphyrin derivatives aggregation and calculation of relaxation time and rate constant by Molecular Dynamics Simulation 14th Iranian physical chemistry seminar (25-28 February 2011) February, 2011.
۳۲. Ghadamgahi, M. Ajloo, D., Thermodynamic study of porphyrin derivatives aggregation, Molecular Dynamics (MD) Simulation study of aggregation,

- Calculation of Gibbs free energy and equilibrium constant and Prediction of equilibrium constant by QSPR and PCA model 14th Iranian physical chemistry seminar (25-28 February 2011) February, 2011.
۳۳. Afsaneh Azadi and Davood Ajloo, Molecular Dynamics Study on the Effect of Curcumin on Amyloid  $\beta$ -Peptide Aggregation 14th Iranian physical chemistry seminar (25-28 February 2011) – February, 2011.
۳۴. Afsaneh Azadi Davood Ajloo, QSAR analysis of curcumin derivatives as anticancer agents 14th Iranian physical chemistry seminar (25-28 February 2011) February, 2011.
۳۵. Ghanadzadeh, D. Ajloo, M. Peer, Effect of co-surfactant on the photo-physical properties of cresyl violet acetate 14th Iranian physical chemistry seminar 25-28 February 2011 February, 2011.
۳۶. Asgarian, H. Ajloo, D, Correlation between structural properties and biological activity of acetylcholinesterase in the presence of huperine and piperazine derivatives inhibitors 14th Iranian physical chemistry seminar (25-28 February 2011) February, 2011.
۳۷. Rezaie, A. and Ajloo, D., QSAR studies on the 4-hydroxy benzaldehyde derivatives as tyrosinase inhibitors 14th Iranian physical chemistry seminar (25-28 February 2011) February, 2011.
۳۸. Ajloo and S. Ghalehaghhabaie, Molecular dynamics studies on the effect of thermal and chemical denaturats on the structure of three poly-peptides with different charges Abstract No.15 Journal of the Iranian Chemical Society, Vol. 8, Suppl. 2, February 2011, 10th Iranian Biophysical Chemistry Seminar (22-24 February 2011) February, 2011.
۳۹. Asgarian and D. Ajloo, Correlation between structure and activity in the 4-[(diethylamino) methyl]-phenol derivatives as acetylcholinesterase inhibitors Abstract No.32 Journal of the Iranian Chemical Society, Vol. 8, Suppl. 2, February 2011, 10th Iranian Biophysical Chemistry Seminar (22-24 February 2011) February, 2011.
۴۰. Azadi and D. Ajloo, Molecular dynamics study on the effect of curcumin and trehalose on amyloid  $\beta$ -peptide aggregation Abstract No.6 A3 Journal of the Iranian Chemical Society, Vol. 8, Suppl. 2, February 2011, 10th Iranian Biophysical Chemistry Seminar (22-24 February 2011) February, 2011.
۴۱. Rezaie and D. Ajloo, Structure activity relationship in substituted hydrazides and sulfonylamino chalcone derivatives as tyrosinase inhibitors Abstract No.7 Journal of the Iranian Chemical Society, Vol. 8, Suppl. 2, February 2011, 10th Iranian Biophysical Chemistry Seminar (22-24 February 2011) February, 2011.
۴۲. Azadi, D. Ajloo, Molecular dynamics simulation of effect ethanol on the aggregation of beta amyloid Regional seminar on new research in Chemistry Azad University of Gorgan February, 2011.
۴۳. Hooman Asgarian and Davood Ajloo, QSAR study on the some of Acetylcholinesterase inhibitors 11th Iranian Congress Of Biochemistry And Molecular Biology Gazvin (8-10 February 2011) February, 2011.
۴۴. Azadi, A. and Ajloo, D., Molecular dynamic simulation study on the concentration effect of curcumin on the aggregation of beta amyloid Regional

- seminar on new research in Chemistry Azad University of Gorgan November, 2010.
- εο. Ghadamghahi, M. and Ajloo, D., Kinetic studies on the aggregation of porphyrin derivatives by molecular dynamic simulation, relaxation time, rate constant prediction by chemometrics Regional seminar on new research in Chemistry Azad University of Gorgan November, 2010.
  - εϖ. Mahrokh Peer A. Ghanadzadeh, D. Ajloo, Rezaie-Fard, Environment effect on aggregation behaviour of tetra sulfonated copper phthalocyanine 12th Iranian inorganic Chemistry seminar Guilan University, sept 2010 September, 2010.
  - εϗ. Maryam Payehghadr, Davood Ajloo, Prediction of binding free energy and maximum wavelength for some anticancer drugs P 359 17th seminar of analytical chemistry of Kashan University, sept 2010 September, 2010.
  - εϘ. Maryam Ghadamgahi, Davood Ajloo, Prediction of Kinetic and Equilibrium Constant of Some Porphyrin Derivatives by Chemometric Methods(using QSPR Model) P 365 17th seminar of analytical chemistry of Kashan University September, 2010.
  - εϙ. Abbas mohammadi Davood ajloo, Analysis of the structural requirement for inhibiting HIV-1 integrase: A QSAR study P 366 17th seminar of analytical chemistry of Kashan University September, 2010.
  - οο. Majid Amiri, Davood Ajloo, QSAR study of DATAs derivatives as potent HIV-1 reverse transcriptase inhibitors P 354 17th seminar of analytical chemistry of Kashan September, 2010.
  - οι. Davoo Ajloo, Molecular dynamics on the beta amyloid peptides in the presence of aggregation inhibitors 8th European Conference on Computational Chemistry, 25-28 August 2010, Lund, Sweden. September, 2010.
  - οι. Ajloo, D., Molecular dynamics on the beta amyloid peptides in the presence of aggregation inhibitors 8th European Conference on Computational Chemistry, 25-28 August 2010, Lund, Sweden August, 2010.
  - οκ. Shahrbanoo Ghalehghababaei, Davood Ajloo, Molecular dynamics studies on PolyG and PolyA in the presence of guanidine chloride 13th Iranian Physical Chemistry Seminar Shiraz University and Shiraz University of Technology 1389 April, 2010.
  - ολ. Mahrokh Peer, Davood Ajloo, Abdolreza Rezaeifard., Surfactants effect on the absorption spectra of tetra- sulfonated copper phthalocyanine 9th Iranian Biophysical Chemistry Conference Tarbiat Modarres February, 2010.
  - ομ. Shahrbanoo Ghalehghababaei, Davood Ajloo, Intermediates monitoring for poly-alanine in the presence of guanidine chloride 9th Iranian Biophysical Chemistry Conference Tarbiat Modarres February, 2010.
  - ον. Samaneh Hajipour, Davood Ajloo, Saeed Zakavi, Ali Akbar Saboury, Ali Akbar Moosavi-Movahedi, The effect cationic and anionic porphyrins on the structure and activity of adenosine deaminase. 9th Iranian Biophysical Chemistry Conference Tarbiat Modarres February, 2010.
  - οξ. Maryam Payehghadr, Davood Ajloo, Seied Ali Pourmousavi, Ali Akbar Saboury, Ali Akbar Moosavi-Movahedi, Binding studies of dihydropyrimidinone

- drivations to serum albumin by fluorescence, molecular docking and QSAR 9th Iranian Biophysical Chemistry Conference Tarbiat Modarres February, 2010.
٥٨. Davood Ajloo, QSAR studies on the anti-Alzheimer drugs 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Feb 2010. February, 2010.
  ٥٩. Debra J Searles, Davood Ajloo, Pouria Dasmeh, Response of protein unfolding to a non-equilibrium temperature change. 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Feb 2010. February, 2010.
  ٦٠. Davood Ajloo, Shahrbanoo Ghalehaghhababaei, Pouria Dasmeh, Molecular dynamics simulation on the chemical denaturation of a polypeptide 10th Iranian Congress of Biochemistry & 3rd International Congress of Biochemistry and Molecular Biology, Feb 2010. February, 2010.
  ٦١. Seyed Ali Sharifian, Davood Ajloo, Pouria Dasmeh, Molecular dynamic study of the effect of guanidine hydrochloride on the structure of poly-glutamate 8th Iranian Biophysical Chemistry Seminar 2008 Feb February, 2010.
  ٦٢. Debra J. Searles, Denis J. Evans, Stephen R. Williams, Sarah J. Brookes, Pouria Dasmeh, and Davood Ajloo, Thermodynamics of Small Systems International conference on nanoscience and nanotechnology Australia 2010. January, 2010.
  ٦٣. Pouria Dasmeh, Debra J. Searles, Davood Ajloo, Denis J. Evans and Stephen R. Williams, Le Chatelier's principle for temperature changes an extension for application to small systems. MM conference 2009 Australia January, 2009.
  ٦٤. Davood Ajloo, Thermodynamics investigation and structural studies on the interaction of two porphyrins with human serum albumin 11th Iranian Physical Chemistry Seminar Mohagheg Ardebili University Aug 2008 August, 2008.
  ٦٥. Marzieh Daraie, S. Zahra Bathaie, Davood Ajloo and Reyhane Hoshyar, Spectrophotometric studies on the effect of two form of a porphyrin on the structure of oligo(dA-dT)<sub>15</sub> 8th Iranian Biophysical Chemistry Seminar 2008 Feb Sistan and Baloochestan University February, 2008.
  ٦٦. Leila Najafi, Davood Ajloo, Mina Evini, Hossein Beniafar, Ali Akbar Saboury, Ali Akbar Moosavi-Movahedi, Effect of some of diacid, diamide, and dinitro aromatic compounds on the structure and activity of adenosine deaminase 8th Iranian Biophysical Chemistry Seminar Sistan and Bloochestan University February, 2008.
  ٦٧. Elahe Bazyari, Davood Ajloo, Seied Ali Sharifian, Mina Evini, Ghasem Ataie, Masoud Amanloo, Ali Akbar Saboury, Ali Akbar Moosavi-Movahedi., Spectrophotometric and molecular dynamics studies on the effect of midazolam and lorazepam on structure and activity of adenosine deaminase 8th Iranian Biophysical Chemistry Seminar 2008 Feb Sistan and BlooChestan University February, 2008.
  ٦٨. Davood Ajloo, Elias Taghizadeh, Mona Asadzadeh, Karim Mahnam, Ali Akbar, Moosavi-Movahedi, Molecular dynamics study of amino acids separation by carbon nanotube. 7th Iranian Biophysical Chemistry Seminar Tabriz University, July 2006 July, 2006.

٦٩. Hananeh Mousavi-Nik, F. Mohammadi Zonoz, Davood Ajloo, G. Ataie Gafari, Investigation of metocloperamide effect on the adenosine deaminase enzyme kinetics 7th Iranian Biophysical Chemistry Seminar, Tabriz University July, 2006.
٧٠. Davood Ajloo, Leila Najafi, Ali Akbar Moosavi-Movahedi, Ali Akbar Saboury Seyed Javad Moosavi, The effect of mobile electromagnetic field on the activity and structure of adenosine deaminase. 7th Iranian Biophysical Chemistry Seminar Tabriz University July, 2006.
٧١. Davood Ajloo, Hanieh Dayani, Ali Akbar Saboury, Ali Akbar Moosavi Movahedi, Aboulghasem Aghapour, Abbas Shokravi, Mosayeb Ahmadi, Karim Mahnam, Structure-activity relationship study on the some of adenosine deaminase inhibitors. 7th Iranian Biophysical Chemistry Seminar Tabriz University, July 2006 July, 2006.
٧٢. Ajloo, D. Yonesi, B. Aghapour, Gh. Soleymanpour, A., Substituent and solvent effects on the electrochemical properties of several anthraquinones 8th Physical Chemistry Seminar, 2005, Ferdowsi University, Mashhad, Iran November, 2005.
٧٣. Ajloo, D. Behmanesh, F. Ahmadi, M. Moradi S., Prediction of electrochemical properties for anthraquinones by quantum chemical and principle component analysis methods 8th Physical Chemistry Seminar, 2005, Ferdowsi University, Mashhad, Iran. November, 2005.
٧٤. Ajloo, D.; Behnam, H.; Mohamadi-Zonoz, F.; Ranjbar, B.; Saboury, A.A.; Moosavi-Movahedi, A. A.; Gharanfoli, M.; Hasani, Z.; Alizadeh, K., The thermodynamic and structural study on the interaction of a polyoxometalate with human serum albumin 11th Asian chemical congress 24-26 August 2005, Seoul, Korea August, 2005.
٧٥. Ajloo, D., Behmanesh. F., Mousavi-Khoshdel, M., Ahmadi, M. Ghasemian J., Calculation of metal-amino acid interaction free energy in solution 6th Iranian Biophysical Chemistry Seminar. Damghan 7-9 Sep. 2004. September, 2004.
٧٦. Ajloo, D. Haghi-Asli, N. Saboury, A. A. Ataie-Gafari G., Kinetic and thermodynamic on the effect of Aspirin and declofenac on adenosine deaminase activity 6th Iranian Biophysical Chemistry Conference. Damghan 7-9 Sep. 2004 September, 2004.
٧٧. Ajloo, D. Behnam, H., Mohamadi-Zonoz, F. Ranjbar, B. Saboury, A.A. Moosavi-Movaedi A.A. Gharanfoli. M. Hasani, L. Alizadeh, K. Mousavi-Nik H., The physicochemical study of interaction of some of polyosxmetalate with human serum albumin. 6th Iranian Biophysical Chemistry Seminar. Damghan 7-9 Sep. 2004 September, 2004.
٧٨. Ajloo, D. Vanaki, M., Moosavi-Movahedi, A.A. Saboury A.A., The physicochemical study of kinetic of oxidation and interaction of human A and S of hemoglobin with 2,2'- dithiobispyridine in the absence and presence of surfactants 6th Iranian Biophysical Chemistry Seminar. Damghan 7-9 Sep. 2004 September, 2004.
٧٩. Bathaie, S.Z. Motamedi, M. Ajloo, D. Mousavi, M.F. Moosavi, S.M., Semiempirical calculation(PM3) of the enthalpy of interaction of some amino acids and histone H1 related peptides with n-alkylsulfide derivatives. 4th



- European symposium of protein society April 18-22, 2001 Institute Pasteur, Paris, France April, 2001.
- ^٠. Motamedi, M., Bathaie, S.Z., Ajloo, D., Mousavi, M. F.; Moosavi, S. Z., Calculation of the enthalpy of interaction of Lys, Arg and His with n-alkylsulfate derivatives by semiempirical (PM3) method. 5th Biophysical Chemistry Seminar, Kerman. Shahid Bahnoar University January, 2001.
  - ^١. Ajloo, D. Moosavi-Movahedi, A.A. and Saboury, A.A., Free energy transfer of amino acids in different solvents: application of molecular orbital and scaled particle theories 5th Biophysical Chemistry Seminar, Kerman, Shahid Bahonar University January, 2001.
  - ^٢. Ajloo, D. Sadeghi, M. Gharibi, H. Moosvai-Movahedi, A. A., Comparison of structure and activity of human and goose hemoglobin 1th congress of Biochemistry and Biophysics 2001 The University of Tehran January, 2001.
  - ^٣. Ajloo, D. Sadeghi, M. Arab, S. Naderi-manesh, H. Saboury, A.A. Moosavi-Movahedi, A.A., The comparative stability and accessible surface area of avian and vertebrate hemoglobins 15th FAOBMB symposium October 21-24, 2000 Beijing, China. October, 2000.
  - ^٤. Ajloo, D, Garibi, H., and Moosavi-Movahedi, A.A., Oxygen affinity and thermodynamic parameter for avian and vertebrate hemoglobins. 15-17 FEB 2000 University of Tehran, 4th Iranian Biophysical Chemistry Seminar. Tehran February, 2000.
  - ^٥. Ajloo, D. Moosavi-Movahedi, A.A Dayar, M.R. Saboury, A.A., The conformational stability and oxygen affinity for hemoglobin in high altitude and low land 44th annual meeting of Biophysical Society, February 12-16 2000, New Orleans, Lousiana February, 2000.
  - ^٦. Ajloo, D. Rahmani, A. Barzegar, M. Mousavi, M.F, Theoretical computation oreodox potential of some anthraquinones by continuum solvation model, COSMO, SCRF 13th chemistry and chemical engineering congress 1999 Tarbiat Modaress University January, 1999.
  - ^٧. Ajloo, D. and Hadipour, N., Dynamic nuclear magnetic resonace studies on benzamides and enaminoesters 3th Iranian Seminar of Physical Chemistry, Mashhad, 1996 November, 1996.
  - ^٨. Ajloo, D., Hadipour, N., Dynamic nuclear magnetic resonance (DNMR) study of aminophosphines and aminophosphoracidesters 9th Iranian Chemistry & Chemical Engineering Congress, Tehran Asre Enghelab Research complex. November, 1994.
  - ^٩. Sasan Moradi, Davood Ajloo, Robabeh Alizadeh, Seyyed Morteza Fazeli, Molecular docking studies on the self aggregation and interaction of, trichloro phenantridine gold(III) and tribromo phenantridine gold (III), new complexes, with DNA First national conference on computational Science, Damghan University, Damghan 6-7 sep, 2012.

## ترجمه کتاب

- زیست شناسی کوانتومی تالیف اس پی گوپتا مترجمین دکتر علی اکبر صبوری **داود عاجلو** انتشارات دانشگاه تهران ۱۳۸۰
- شیمی فیزیک تالیف اتکینز ویرایش هشتم مترجمین عبدالخالق بردبار، غلامرضا رضایی بهبهانی، عباس رفعتی **داود عاجلو** علی اکبر صبوری علیرضا صلابت علی اکبر میرزایی انتشارات نوپردازان ۱۳۸۶
- برآزش داده ها در شیمی تالیف پیتر گانس مترجمین نیما قلعه و **داود عاجلو** انتشارات دانشگاه دامغان ۱۳۹۱
- ترمودینامیک آماری کاربردی، تالیف استانی ای سندلر ترجمه **داود عاجلو** و مریم قدمگاهی انتشارات دانشگاه دامغان ۱۳۹۵

ترجمه شده و در مرحله صفحه آرایی

1-Concise physical chemistry DONALD W. ROGERS Department of Chemistry and Biochemistry John Wiley The Brooklyn Center Long Island University Brooklyn, NY

2- Mathematics for Physical Chemistry by Robert G. Mortimer Fourth Edition, Academic Press is an Imprint of Elsevier

طرح های پژوهشی

**1-Prediction of inhibition property of anti-Alzheimer compounds**

**2-Molelular dynamics studies on the effect of thermal and chemical denaturant on the structure of three poly-peptide with different charges**

**3-Physicochemical study on the interaction of some of polyoxometalates with human serum albumin**

**4-Molecular modeling study on the quantitative structure activity relationship of some of natiridines derivetives as inhibitors of HIV integrase**

پبیان نامه های راهنمایی شده کارشناسی ارشد شیمی فیزیک

<u>StudentName</u>	<u>Defence Date</u>	<b>Thesis Topic</b>	<b>Consulting Professors</b>
Farveh Behmanesh	05/01/2004	The calculation and prediction of reduction potential for some of anthraquinines and free energy transfer of amino acids by quantum chemistry and statistical methods	
Hossein Behnam	06/01/2004	Physicochemical studies on the interaction of some of polyoxometalate compounds with human serum albumin	
Maryam Vanaki	06/01/2004	The physicochemical study of the kinetic of oxidation and interaction of human A and S hemoglobin with 2,2'-dithiobipyridine in the absence and presence of surfactant	
Niloofer Haghi-Asli	11/01/2004	Kinetic and thermodynamic studies of the adenosine deaminase inhibition by aspirin and declofenac	
Behnaz Yoonesi-Jamnani	01/01/2005	The experimental and computational study on the solvent and substituent effect on reduction potential of some of anthraquinones	
Hannaneh Moosavi-Nik	02/01/2005	The study on the effect of polyoxometalate and methocloperamide on the kinetic of adenosine deaminase	
Hanieh Dayani	02/01/2006	Kinetic study of inhibition of adenosine deaminase enzyme by some of psorealens and anthraquinone	

<u>StudentName</u>	<u>Defence Date</u>	<u>Thesis Topic</u>	<b>Consulting Professors</b>
Shekofeh Beheshti	06/01/2007	ab initio quantum mechanical study of the interaction of ethylen with graphit and carbon nanotube	
Leila Najafi	02/01/2008	Effects of Dimaine, Diacid and Dintitro Derivatives on the Inhibition of Adenosine Deaminase; Experimental, Molecular Docking and QSAR Studies	
Mona Asadzadeh	02/01/2008	Calculation and prediction of binding constant of some drugs to human serum albumin and adenosine deaminase by means of penetic algorithm in AutoDock and QSAR calculation	
Ali Reza Teimoortash	06/01/2008	Thermodynamic investigation and structural studies on the inteaction of meso-tetrakis(4-sulfunatophynyl) porphyrin and meso-tetrakis(3-sulfunato-4-methoxyphenyl)porphyrin with human serum albumin	
Elaheh Bazyari	06/01/2008	Effect of midazolam and midazolam on the activity and structure of adenosine deaminase	
Marzieh Daraie	06/01/2008	The interaction of mesotetrakis(para-n-trimetylanilinium)porphyrin and ferroderivaatives with (DA-DT)15 and DG-DC)15 oligonucleotides	
Seyed Ali Sharifian	06/01/2008	molecular dynamics study on the effect of guanidine hydrochloride, solvent, temperature and pressure on the structure of polyglutamate	
Elias Taghizadeh	09/01/2008	Molecular Dynamics Study of the salt, solvent, surfactant, temperature effect on the structure of adenosine deaminase	

<u>StudentName</u>	<u>Defence Date</u>	<u>Thesis Topic</u>	<b>Consulting Professors</b>
Pouria Dasmeh	01/01/2010	Non-equilibrium fluctuation theorems for microscopic thermally driven systems	
Homam Zarini	02/01/2010	An electron density analysis of halogen bonding	
Samaneh Hajipour	06/01/2010	Thermodynamics and structural studies of the interaction of meso-tetrakis(3-N-methylpyridyl) porphyrin, meso-tetrakis(4-sulfonatophenyl)porphyrin with adenosine deaminase enzyme	
Sharbanoo Ghalehaghhabaie	06/01/2010	Molecular dynamics studies on the effect of thermal and chemical denaturants on the polyalanine structure	
Afsaneh Azadi	11/01/2010	Molecular dynamics simulation of curcumin and trehalose effect on $\beta$ -amyloid peptide aggregation	
Maryam Ghadamgahi	11/01/2010	Calculation and Prediction of kinetic and equilibrium constant of porphyrin derivatives by molecular dynamics simulation and Docking	
Mohrokh Peer	12/01/2010	Studies of dye-surfactant interactions by absorption spectra	
Aiub Kanaani	02/01/2011	Conformational stability, molecular structure, intramolecular hydrogen bonding, and vibrational spectra of 5,5-dimethyl hexane 2,4 dione	
Hossein Drakhshankhah	05/01/2011	Designing and investigating the features of artificial nano enzymes containing nickel and copper mimicked from active site of mushroom tyrosinase and comparing it with tyrosinase.	

<u>StudentName</u>	<u>Defence Date</u>	<b>Thesis Topic</b>	<b>Consulting Professors</b>
Maryam Payehghadr	05/01/2011	Binding studies of dyhydroprymidinone derivatives to serum albumin by fluorescence, molecular docking and QSAR	
Hooman Asgarian	10/01/2011	quantitative structure-activity relationship studies on the acetylcholine esterase inhibitors	Seyed Faramarz Tayyari
Afsaneh Rezaie	10/19/2011	structure and activity relationship and docking studies on the tyrosinase inhibitors	Massoud Shabanzadeh
Maryam Pooyafar	11/01/2011	Tertiary structure prediction of $\alpha$ -glucosidase and inhibition properties of N-(phenoxydecyl) phthalimide derivatives	
Elaheh Mohebbi	01/03/2012	Quantum mechanics simulation of epoxidation reaction kinetics for some of alkenes by chrome complexes and adenosine deaminase reaction kinetics	Kiamars Eskandari
Masome Sangian	02/01/2012	Effect of two imidazolium derivatives of ionic liquids on the structure and activity of adenosine deaminase	Ali Akbar Saboury and Taghi Lashkarbolouki
Seyyed Morteza Fazeli	09/10/2012	Molecular dynamics and docking study on the interaction of tetra sodium sulphonated nickel (II) phthalocyanine and adenosine deaminase enzyme	
Sasan Moradi	09/12/2012	Spectroscopic studies on the interaction of gold(III) trichloro and tribromo phenanthridine with calf thymus DNA (CT-DNA)	
Hossein Farahbakhsh	2012 sept	Prediction of pharmaceutical properties of some of antitubercular drugs by QSAR methods	
Arash Amiri	2012 sept	Prediction of Retention Index for Flavonoid and Chalcone Compounds by using QSPR	

<u>StudentName</u>	<u>Defence Date</u>	<b>Thesis Topic</b>	<b>Consulting Professors</b>
Fereshte Shaheri	2013 feb	Spectroscopic and molecular dynamics investigations of surfactant effect on the Cobalt(II) tetrasulfonated phthalocyanine (CoTPPS) aggregation	
Sajede Shabanpanah	2013 sept	Physico-chemical study on the interaction of tetradentate Schiff base 1,3-bis(2-hydroxy-benzylidene)-urea and its dimethoxy derivatives and nickel complex with calf thymus DNA.	Dr. Bita Shafaation
Khadijeh Ghadimi	2013 sept	Spectroscopic and molecular dynamic study on the interaction of Pd(II) complexes of phenanthroline and glycine derivatives with calf thymus DNA	Dr. Mahbobeh Eslami Moghadam
Reyhaneh Rostamzadeh	2013 sept	Molecular dynamics simulations on the effect of temperature and some inhibitors on water-methane clathrate system	
Hakimeh Mir	2013 sept	Study of Kinetics and Mechanism of Naringenin Reaction with DPPH radical in the two-component mixtures of water-ethanol	
Seyedeh Ameneh Hoseini	2013 Oct	Investigation in adsorption properties of cellulase onto the polymer	